The WANAMAKER DIARY 1928

INSURANCE WITHOUT QUIBBLES

An insurance policy should leave nothing to the imagination but everything should be explicitly stated.

You should have insurance which will be worth as much after the loss as you were told it would be when you bought it.

You can mail us orders for insurance and we will be prompt to advise you as to the cost.

ROBERT M. COYLE & CO.

INSURANCE BROKERS

ADVISERS AND ADJUSTERS

423 WALNUT STREET, PHILADELPHIA

ROBERT M. COYLE HENRY C. TOWNSEND, JR. EDWARD TROXELL

THE DIARY
1928

JOHN WANAMAKER
PHILADELPHIA

The Wanamaker Diary

CALENDAR 1928

1928 JANUARY 1928						
S	M	T	W	T	F	S
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The Wanamaker Diary

CALENDAR 1929

1929 JANUARY 1929						
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1929 JULY 1929						
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1929 SEPTEMBER 1929						
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1929 OCTOBER 1929						
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1929 NOVEMBER 1929						
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1929 DECEMBER 1929						
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22	23	24	25	26	27	28
29	30	31				

1816 1928

C. Schrack & Company

150 TO 158 NORTH 4TH STREET
PHILADELPHIA, PENNA.

The Oldest Varnish Makers in America
The Oldest Paint Store in Philadelphia

A FEW OF OUR STANDARDS

Schrack's Automobile Finishing Varnishes
Schrack's Automobile Rubbing Varnishes
Schrack's Extra Durable Spar Varnish
Schrack's Interior Spar Varnish
Schrack's Hard Bar Top Varnish
Schrack's Elastic Floor Varnish
Schrack's Excelsior Gloss Paints

"A Manufacturing Experience of Over a Century in Each Can"

All Varnish and Paint Products Bearing Our Label Represent

ONE HUNDRED AND TWELVE YEARS

Manufacturing Experience Combined with the Finest Raw Material Procurable

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Diamonds
Rubies, Emeralds
Sapphires

Finest Selection Rare Gems

Walter Eitelbach & Co., Inc.

576 Fifth Ave., Cor. 47th St. New York

Here's the final touch of beauty your room needs—FIBERLOID

WHEN you have selected just the right furniture, rugs and hangings for your boudoir, there still remains the important question of articles for your dressing table. The discriminating woman instinctively chooses FIBERLOID Toiletware for there is a wide variety of colors and patterns from which to choose. You will find the newest FIBERLOID creations in the more select stores everywhere, including Wanamaker's in New York and Philadelphia.

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The FIBERLOID CORPORATION

INDIAN ORCHARD, MASS.

New York Office	*Chicago Office*	*Detroit Office*
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The Chase National Bank of the City of New York

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Mechanics & Metals Branch
46 Cedar Street

Metropolitan Branch
Fourth Avenue at 23rd Street

Produce Exchange Branch
25 Broadway

Maiden Lane Branch
75 Maiden Lane

Worth Street Branch
Broadway at Worth Street

Prince Street Branch
565 Broadway

Stuyvesant Square Branch
Second Avenue at 14th Street

Fifth Avenue Branch
204 Fifth Avenue

Seventh Avenue Branch
Seventh Avenue at 36th Street

Forty-First Street Branch
Madison Avenue at 41st Street

Grand Central Branch
Lexington Ave. at 43rd Street

Fifty-Seventh Street Branch
143 West 57th Street

Park Avenue Branch
Park Avenue at 60th Street

Seventy-Second Street Branch
Broadway at 72nd Street

Eighty-Sixth Street Branch
Broadway at 86th Street

Columbus Avenue Branch
Columbus Avenue at 93rd Street

Harlem Market Branch
2011 First Avenue

Harlem Branch
Third Avenue at 116th Street

Manhattanville Branch
422 West 125th Street

Hamilton Trust Branch
191 Montague St., Brooklyn

Havana Branch
Havana, Cuba

Cristobal Branch
Canal Zone

Panama City Branch
Republic of Panama

212 FIFTH AVENUE NEW YORK

The

Little Things Count

In every phase of life the little things count most.

A little more effort in the minor jobs, paves the way to the highest positions, a little more quality put into any commodity makes it in time the outstanding seller.

A little finer workmanship, closer attention to the details of style and wearing qualities have been the distinguishing features of fine custom made clothes.

In cut, finish, materials and workmanship, Scheyer Tailored Clothes rank with the finest craftsmanship of the leading custom tailors. Yet they are made ready to wear for men who aspire to the finest in clothes but who do not care to pay the corresponding custom tailored prices.

Scheyer Tailored Clothes meet a definite need.

Always featuring the best the London Shop shows—

SCHEYER

Tailored Clothes

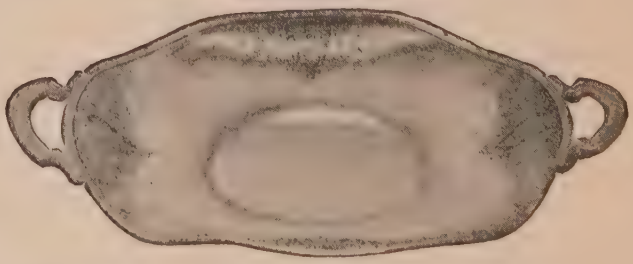
1035 SOUTH 11th STREET PHILADELPHIA

M·S·G
MIDDLETOWN
SILVERWARE
E·P· N·S·

No. 3—Trivet
10 inches closed
14 inches extended
$7.00

No. 5592
Centrepiece
12 inches in
diameter
$10.00

No. 4992
Roll Tray
10 inches in
diameter
$5.00



Three pieces of moderately priced quality merchandise from very attractive patterns which may be purchased at the John Wanamaker Stores, Jewelry Sections—and at the leading Jewelers everywhere.

Pyrex Lined Silverware to match.

WILSON & CO.
INSURANCE BROKERS
321 WALNUT STREET
PHILADELPHIA

AMPICO

These People Are Hearing

RACHMANINOFF

YOU too may hear, in your own home, the greatest pianistic talent of the world. Whether it be Rachmaninoff playing his immortal Prelude or Vincent Lopez interpreting the latest popular favorite—the artist himself is at the keyboard in all but his physical presence.

The printed word describes but faintly the marvelous performance of the Ampico. You must hear it!

A program of your own choosing awaits your pleasure at any Ampico agency

THE AMPICO CORPORATION
NEW YORK

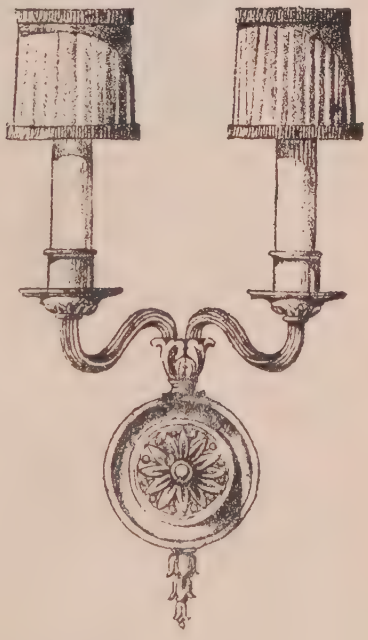
AMPICO LIMITED
LONDON

"Decorate with Artistic Lighting Equipment"

Old Homes Become Charming

When brightened with new lighting equipment. Especially so, when these fixtures are selected at Biddle-Gaumer's, where you will find only the beautiful and distinctive kind.

Remove the sombreness from your home by the installation of new lighting fixtures.

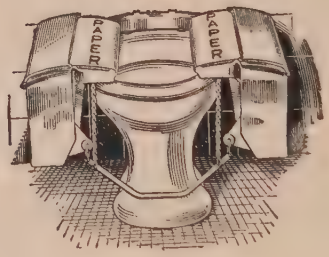


BIDDLE-GAUMER CO.

3846-56 Lancaster Ave.
Philadelphia

THE SEAT OF SAFETY

A SUPERIOR
PAY TOILET SERVICE



ASEPTIC SERVICE COMPANY

161 Summer St., Boston, Mass.

You will find them on four floors
at Wanamaker's, New York

Still the Best Felt Hat That $5 Can Buy!

It "tops them all" in style, quality and beauty of finish. Such a conspicuous article as a man's Hat should be chosen with care. We know of no better Hat to be found at $5

We've said this before and it is truer than ever NOW!

THE LA SALLE COMPANY

Manufacturers of GOOD HATS

432-34 Market Street Philadelphia, Pa.

BEYER & COMPANY, Inc.

233-235 Callowhill St. : : Philadelphia

BEACHDALE
BRAND

Poultry

Eggs

Butter

Cheese

Famous Beachdale Duckling

Different from others

MEN WHO REALIZE

The Importance of Keeping Good Feet Good

Wear Anatomik Shoes

STYLE 3110

Black Glazed Kidskin laced Oxford, wide toe, extra heavy single sole.

Made on the wide toe last that is so popular.

Arrows show where Body Weight falls in incorrect Shoe (left) and "Anatomik" Shoe (right)

LET your next step be in comfort.

"ANATOMIK"

shoes positively prevent and cure foot ills.

They have had this reputation for years.

Anatomik Shoes offer a selection of styles for business wear, formal and evening wear, and sport wear.

Send for booklet

FIELD & FLINT CO.

BROCKTON, MASS.

Also makers of

The Burt and Packard "Korrect Shape" Shoes for Men

You Can Have Good Feet

ARISTOCRATS OF AMERICAN SHOES

Nettleton

SHOES OF WORTH

Nettleton's
Are Found in both Wanamaker Stores

A. E. NETTLETON CO.
H. W. Cook, *President*
Syracuse : : New York
Since 1879

MEN LIKE TO SAY THEY WEAR THEM

Developing Trade

BUSINESS activity of every kind is constantly reaching out to new markets and new sources of supply. The merchandise which passes in steady flow through the Wanamaker Stores comes from every quarter of the globe.

The tremendous commercial expansion during the last generation would not have been possible without the service and co-operation of great banking institutions.

The Eighth Street Office of this Company, just across the street from Wanamaker's New York Store, is equipped to facilitate business transactions with any part of the world.

EIGHTH STREET OFFICE

AMERICAN EXCHANGE
IRVING TRUST COMPANY

Broadway at Eighth Street, New York

The Writing of Today

THE PORTABLE TYPEWRITER has taken its place among modern inventions for saving time and making life more pleasant.

No longer must people rely on the slow-moving pen for personal correspondence. Women, business executives, professional men, college men and women—people in every walk of life—are turning to a quicker, better writing method.

The writing of today is, more and more, being done on the swift, sure keys of the Underwood Portable.

The new Underwood Portable is on sale at Underwood Offices in the principal cities.

PRICE—$60 IN U. S. A.

Underwood Typewriter Co., Inc.
Underwood Bldg. - New York

UNDERWOOD PORTABLE
with 4 Bank STANDARD KEYBOARD

EXCEPTIONAL FURNITURE

Reproductions and originals of
Early English, Spanish, French

Cabinets
Desks
Stands
Desk Chairs
Library
Tables

No. 264

Consoles
Mirrors
End Tables
Benches
Book
Troughs

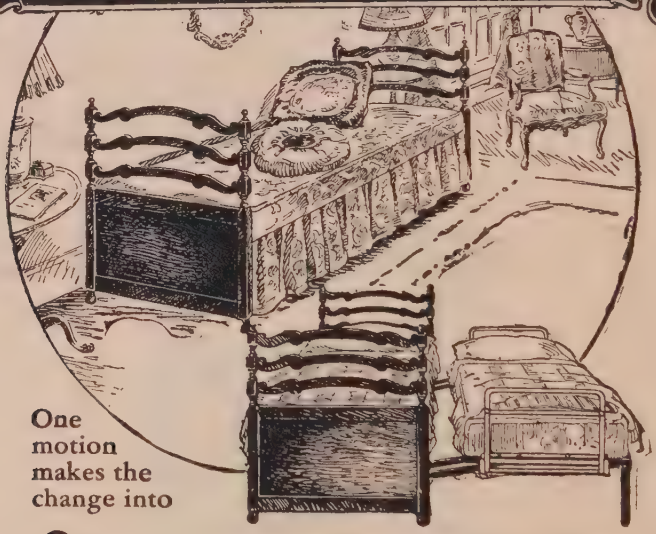
ON SALE AT WANAMAKER'S STORES

SHEAR-MADDOX FURNITURE CO.

Designers, Manufacturers of Distinctive Furniture

GRAND RAPIDS, MICHIGAN

ENGLANDER BEDS



One motion makes the change into

2 separate beds...with the lavish comfort of box springs

FOR the first time, 2 separate beds, equipped with 2 luxurious, upholstered box springs... have been concealed within a handsome day bed. Adds beauty to the finest living room. It is opened...with one easy motion. Numerous models, in wood or metal ends. Also equipped with Open Coil or Link Springs. ¶Sold everywhere at Furniture and Department Stores. ¶Write for Booklet.

ENGLANDER SPRING BED CO. 100 West 32nd Street, New York
86-90 Canal Street, Boston 3931 Lowe Avenue, Chicago

ENGLANDER
TWIN-DA-BEDS

Englander Springs..Twin-Da-Beds..Da-Beds..Mattresses..Institution Beds..Hammocks

Today's Better Programs

put new demands
on radio batteries

RAY-O-VAC
RADIO BATTERIES

fully meet these demands because of their low internal resistance and their remarkable staying power. Ask for these long-lifed batteries by name—"RAY-O-VAC." Insist on getting them—and thus get the fullest satisfaction from your radio—at lowest cost.

Full Line of RAY-O-VACS
At All JOHN WANAMAKER Stores

FRENCH BATTERY COMPANY
MADISON, WISCONSIN

THE LAND TITLE AND TRUST COMPANY

Broad Street, Chestnut to Sansom, Philadelphia

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General Counsel
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Vice-President
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Eugene W. Fry
Percival E. Foerderer
George W. Elkins
Cyrus H. K. Curtis
Edgar G. Cross
John C. Martin
Thomas Shallcross, Jr.

CAPITAL

$3,000,000

Surplus and Profits

$13,500,000

Deposits received upon which interest is allowed. ¶Titles to real estate insured. ¶Loans on mortgages and approved securities. ¶Trusts executed. ¶Safe Deposit Boxes rented in burglar-proof vaults. ¶Savings Fund Department.

BERKLEY KNIT

"The Tie of a Thousand Knots"

TRADE MARK

Berkley Knits are more beautiful this year than ever before. And every Berkley Knit wears as well as it looks. Our stock includes a wealth of color ideas and designs that are the most distinctive, and most original that you have ever seen. Come in and look them over.

$2.50 · $3.00 · $3.50

BERKLEY KNIT

"The Tie of a Thousand Knots"

Brownhill & Kramer

Full Fashioned
and Seamless

HOSIERY

PHILADELPHIA

Lightfoot Schultz Company

Soap Manufacturers

Manufacturers of

Wanamaker's
HARD WATER and BLUE MOTTLED SOAPS

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CRAIG,
FINLEY
& CO.
Lithographers
Engravers - Printers
OFFSET PRESSWORK
Write for Specimens and Quotations
on Letterheads of Quality
2218-20-22 VINE STREET
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THE FAMILY DENTIFRICE

A tooth paste that performs the full function of a cleanser without harm to the teeth or mouth tissues and leaves the mouth delightfully refreshed; is safe and desirable for people of all ages.
S. S. White Tooth Paste makes these claims and no others—it is not medicated, not a "cure all".

USE S.S.WHITE TOOTH PASTE

A pure, white dentifrice in a clean, white tube

25c at all druggists

S.S.WHITE TOOTH PASTE

Don't forget to look at the

package

WHEN you made that emergency purchase, was it packed in a good-looking box that you didn't mind carrying? When you undid your new waist or dress, did you look at the box that held it until it reached your home? Was it a strong, well-made box, or a flimsy affair—all coming apart?

The careful merchant not only protects your purchase until it is delivered to your home, but he has pride in furnishing an attractive package that will please you and reflect favorably on his store.

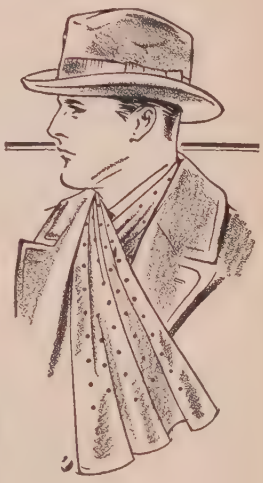
Brown & Bailey boxes indicate two things—the value that the merchant places on the contents of your package, and the high quality of service he desires to give you.

BROWN & BAILEY CO.

Makers of high-grade folding paper boxes

FRANKLIN *and*
WILLOW STS.
Philadelphia

BEST-FIT
Men's Mufflers
and
Ladies' Scarfs
are worn
by the Choicy
Customer



Our Princess Slips,
Underwear
and Pantalettes
are Garments
of which we
are Proud

On Sale
at the
John Wanamaker's
Store
Philadelphia
and the
Better
Stores

BEST-FIT
LOOKED UPON WITH SATISFACTION
Trade Mark Reg. U.S.A.

232-34-36 MARKET STREET PHILADELPHIA

DURO
Men's Neckwear

MACDUR
Men's Hose

Two accessories to the gentlemanly wardrobe . . . ever new in design, but half a century old in their traditions of quality. Since 1872.

T. P. McCutcheon and Bro., Inc.

Pitcairn Building **Eleventh & Arch Sts.**

Philadelphia, Penna.

FOR MORE THAN 25 YEARS ALL THE
WANAMAKER BUILDINGS HAVE BEEN
SUPPLIED WITH NEWTON COAL

Geo. B. Newton Coal Co.

53rd Street and Baltimore Avenue

PHILADELPHIA, PA.

COLUMBIA YARNS

Just feel the difference

COLUMBIA YARNS

as well as the latest Instruction Circulars and Books illustrating other uses may be had at the

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GOTTLIEB & CO.
806-808 Arch Street
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NEW YORK OFFICE
1 West 39th Street

THE CONSOLE CABINET SEWING MACHINE

Wanamaker Rotary Electric

WHEN OPEN A FINE MACHINE

WHEN CLOSED A BEAUTIFUL TABLE

Manufactured and Guaranteed by

NATIONAL SEWING MACHINE COMPANY

BELVIDERE, ILLINOIS

Distributed by

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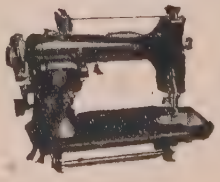
PHILADELPHIA · NEW YORK

Rotary Head with

BUILT-IN-MOTOR

and Sewing Light



Rear View

Front View

We Also Bake Cake

You probably associate the name Freihofer with bread—good bread.

But we also bake cake.

You need not spend precious hours in a hot kitchen making cake.

Whether for a lap luncheon or a formal dinner, there is a Freihofer Quality Cake that is just right for the occasion.

There is a choice of over 50 varieties, besides the decorated cakes which are made to your order.

We aim to make our cakes just as fine as cakes can be made in the home kitchen.

Pure butter and eggs, the best of everything that money can buy account for the delicate colors and fine flavor of our cake.

From our large variety you can always choose a cake that is sure to grace your table and please family and guests alike.

If you have not tasted a Freihofer cake, won't you try one? Forty years of quality baking is your guarantee of satisfaction.

FREIHOFER BAKING COMPANY

Hundreds of Thousands of Philadelphia Women

are this very minute wearing Jeanette Morning Frocks in homes all over town. Each year these women buy an average half dozen more. The reason is plain . . . Jeanette Frocks satisfy in every point of style, workmanship and wearability.

On Sale All Year Round at Wanamaker's, Philadelphia

JEANETTE DRESS CO.

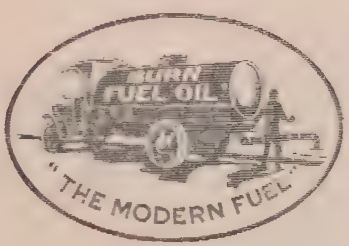
731-33 Arch Street

(6th Floor)

PHONE: Lombard 1767

PETROLEUM HEAT AND POWER COMPANY

INDUSTRIAL



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OFFICES IN
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SUBSIDIARY COMPANIES
Boston Harbor Oil Co.
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WORKS AT STAMFORD, CONN.

Genuine Ostrich LEATHER GOODS

Always Reliable

C. F. RUMPP & SONS

Manufacturers

PHILADELPHIA & NEW YORK

Always Reliable

On Sale in The Wanamaker Stores

FOR woodworking of any type, be it dignified wood-carving for church, luxurious paneling for club, period interiors for residence, or the building of modern and efficient store fixtures, your criterion of guaranteed satisfaction is "Woodwork by Smith"

Geo. W. Smith Woodworking Co.

INCORPORATED

51st and Grays Ave. **Philadelphia, Pa.**

Store Fixtures by SMITH can be seen in Wanamaker's, both Philadelphia and New York.

"A BETTER PAPER BOX"

FOR ANY PURPOSE—ANY SIZE OR SHAPE

NATIONAL "METAL EDGE" BOX CO.

TRADE MARK REGISTERED U.S. PAT. OFFICE

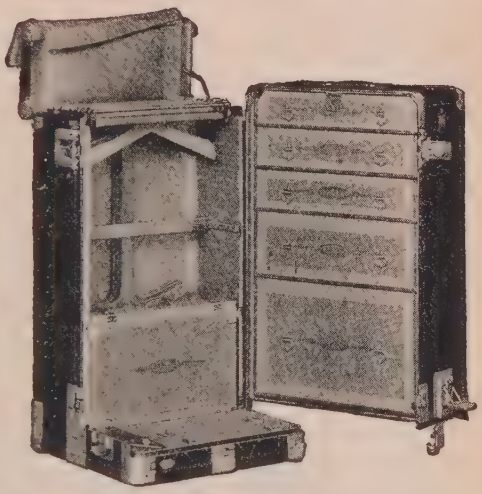
CALLOWHILL AT THIRTEENTH ST.

PHILADELPHIA PENNSYLVANIA

"America's Finest"
WHEARY TRUNKS

Wheary Wardrola

—the trunk that ROLLS open



A touch of the hand . . . and the entire drawer section of this new-day wardrobe trunk rolls open, the Wheary patented movable leg automatically dropping into position as a support. Smooth ball bearing roller saves rugs and floors. Solid base makers Wardrola strongest where other trunks are weakest—eliminates repair bills—prevents Wardrola from tipping over.
Cushioned Top protects clothes from wrinkling. Six Way Locking Bolt makes Wardrola one rigid unit when closed. Rigid-Tested Construction assures extra years of service.

Wheary Airplane Wardrolette

—a wardrobe trunk about the size of a suitcase

Portable, compact, light, sturdy. Fits under Pullman seat or on running board of car. Amazing capacity and clothes protection. Spacious removable tray. Ladies' size holds 10 dresses, 3 pairs of shoes, 42 other garments. Men's size—4 suits, 6 shirts, 51 other items. For auto, railroad, steamship, motorbus, airplane travel.

WHEARY TRUNK COMPANY, Racine, Wisconsin
in New York, 295 Fifth Avenue
The Only Trunk Manufacturer Honored by Membership, Rice Leaders of the World

The No. 744 Stromberg-Carlson

No. 744 Stromberg-Carlson, including tubes, power plant, and cone speaker, complete; ready to operate direct from electric light socket. Price East of Rockies $1245.

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LINGERIE *from* PARIS TO YOU

Original Drecoll *Designs*

PARIS

EXECUTED BY *Luxite*

AND OFFERED YOU TODAY—AT DUTY FREE PRICES

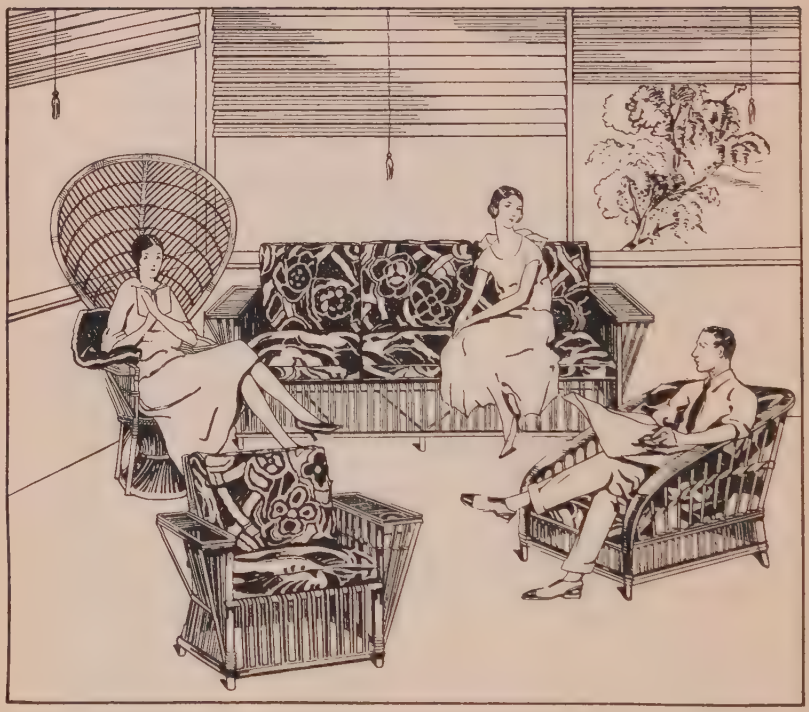
This celebrated label you will find in every Drecoll designed Luxite garment, guarantee of smartness. Through Drecoll's door pass fashion leaders from every land seeking the dictates of "the master of the mode."

Sold by the Wanamaker Stores in New York and Philadelphia in the Glove Silk Lingerie Depts.

NOW, for the first time, a Paris master designer creates lingerie which reflects every phase of the mode. Drecoll originates glove silk lingerie, just to suit the gown of the moment . . . cut to give the figure most alluring, most flattering lines.

The season's gayest pajama is pictured here, but its fresh, vivid coloring can unfortunately not be shown. Developed in daffodil yellow and springtime green, it is, typical of Drecoll's ingenuity and chic.

Luxite Lingerie



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Made by DEBSKI is substantially built and is genuine willow and reed

Better Willow and Reed Furniture for Better Homes, Hotels, Clubs, Yachts

Large assortment of sets or individual pieces for sale by John Wanamaker

Manufactured by F. DEBSKI, New York City

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Established 1880

Catering to the Hotel, Restaurant, Club and Institution Trade

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Milk Products

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Famous

Rye, Bran and Whole Wheat Bread

Pattie Shells 60c and 75c per Doz.

Specialties

BIRTHDAY

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WEDDING CAKES

ROLLS OF ALL KINDS

Both Phones

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Fiftieth Year of Service and Quality

Now 2106 and 2108 Market St., Philadelphia

CHOICE MEATS

Our facilities are greatly improved. Our equipment is up to the minute, and we are prepared to give you the best service.

Let us have your orders.

Special attention given Family Trade.

U. S. Inspector stationed here. Our goods are carefully inspected, so that you are perfectly safe in dealing with us.

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Special prices to Colleges, Schools, Hotels, Restaurants and Boarding Houses.

We have but the one address, and do not overlook the fact that we deliver

FINE Materials and Careful Baking make our Pies a Delicious Confection.
Sold in Philadelphia for Nearly Fifty Years.
We serve the Wanamaker Store in Philadelphia.

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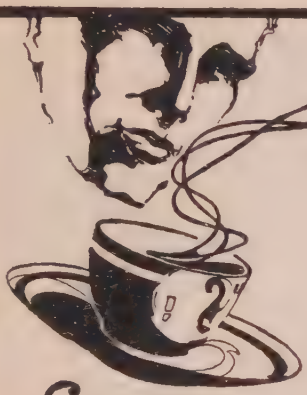

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GOOD Coffee is often the chief criterion of recommendation. That is the reason you will find Reid's Coffee in so many of the leading Tea Rooms—the scientific blending of which is known only to Reid.

Enjoy today the same blend your parents enjoyed 25 years ago.

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Chapeaux Mossant. A DeLuxe Hat for Gentlemen, sold in all the world's capitals to a discriminating and refined clientele. "A Work of Art" made in France by MOSSANT, VALLON & ARGOD for the past 100 years.

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Manufacturers of

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Large Tray Cases

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Fine Bedroom Furniture

JAMESTOWN, N. Y.

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Ask at the Wanamaker Stores for the fine, genuine mahogany Governor Winthrop desk and secretary made by the Union Furniture Co.

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Worthy of Their Contents

Jesse Jones Paper Box Co.

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The Schoble Hat is the choice of well-dressed men. Its authoritative style and unsurpassed quality is the result of more than a generation of fine hat making.

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With a table Pad that has a record of CROWNING SUCCESS, giving the utmost satisfaction since 1907.

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PHILADELPHIA NEW YORK CHICAGO

MADE BY THE LARGEST UMBRELLA MANUFACTURERS IN THE WORLD - AND FOR SALE

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THE TIPS LOCK IN PLACE WITH A SLIGHT MOVEMENT OF THE HANDLE. MADE IN 10 AND 16 RIB STYLES AND IN ALL QUALITIES

The TIPLOX PATENTED UMBRELLA

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This will prolong the life of the glove, restore it to its original softness and be entirely free from odor.

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RUG and CARPET CLEANING WORKS

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Cleaned, Shampooed and Repaired

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Guaranteed Color-Fast

"To Boiling to soap to sun."

Martex Products always bear the label shown here.

The Economy of Luxury

Naturally, you can buy these Towels at Wanamaker's

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W. H. & A. E. MARGERISON & CO.

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Gold Mounted and Plain

Our lines have a national reputation for their distinctive qualities.

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Because there is a net to meet every need—to match every shade of hair. Double mesh for utility and sports wear, single mesh for dress and formal occasions, either in cap or fringe shape. A regular size Venida for long hair, and small size for bobbed hair or growing locks. They cost 2 for 25c—grey or white, 25c each.

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Remove cold cream without irritating the most sensitive skin.
Irresistible in their sanitary appeal to women of refinement and discrimination.
They save towels and laundering and are free from lint.

SANITARY **ABSORBENT** **ECONOMICAL**

50 Towellettes, 25c in the Pink Package

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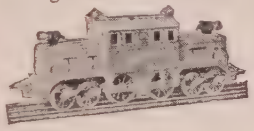
DORFAN Loco-Builder Engines are fast and powerful. They may be taken apart, piece by piece, and easily put together again with a screw driver. They are powerful, too. In a tug-of-war—they will outpull any engine of equal size. Their housings, made of Dorfan Alloy, are stronger than cast iron—and practically unbreakable. Dorfan Loco-Builder Engines are available in several sizes and prices, and may be bought individually or as a part of Dorfan Train Sets.



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Cap or Fringe Shape, Single or Double Mesh

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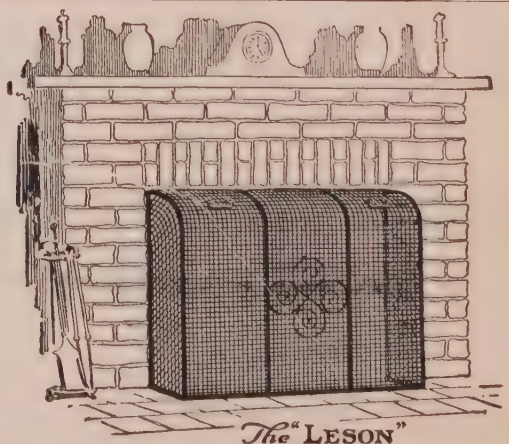

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Made for a discriminating clientele who seek Youth, Style and Comfort in a hat.

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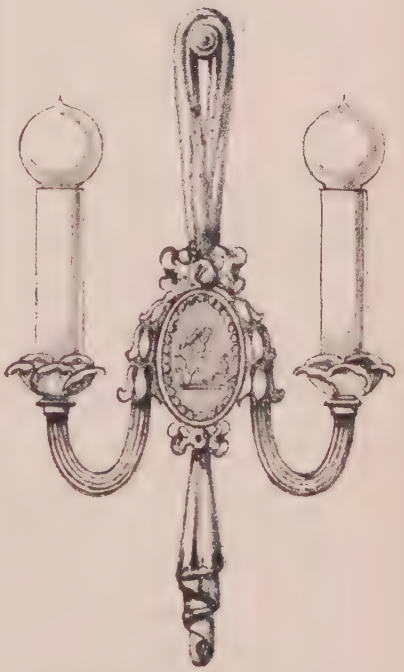

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BLACK, WHITE and COLORS

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Just remember to ask for

EXCELSIOR SHOES

The next time you are needing a

Pair of Real Sturdy, Well Built, Stylish Shoes
for either **Boy** or **Youth**

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CHILDREN'S DEPT.
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LION SWEATERS ARE BETTER SWEATERS

EVERY SWEATER GUARANTEED FOR
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LION KNITTING MILLS

ESTABLISHED 1911

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Outstanding in
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QUALITY PLUS SERVICE MEANS
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LEBOW BROTHERS
"Master Styled" Clothes

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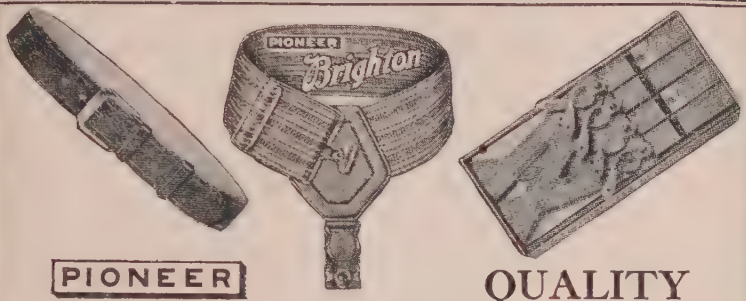

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QUALITY

QUALITY is largely a comparative term, particularly when applied to merchandise. So when we say that Pioneer Belts, Pioneer Suspenders and Brighton Garters are of the *best quality*, we mean literally that their peers do not exist in the market. The men who wear them will endorse this statement.

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Makers of Pioneer Suspenders, Pioneer Belts, and Brighton Garters

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THE NEW E&W SUPER QUALITY
COLLARS
THEY ARE THE BEST-LOOKING
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35¢ each 3 for $1.00
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Philadelphia Gazette-Democrat

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Acme Cambric Window Shades are endorsed by all the leading stores of Philadelphia.

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BOILER AND PIPE COVERING

CORK FLOORING AND LINOTILE FLOORS FOR ALL PURPOSES

Use Armstrong's Sheet Cork for house Insulation and reduce your fuel bill.

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WHITE MOUNTAIN
REFRIGERATORS

"The Chest with the Chill in It"

Have carried the pure, crystal clear, frigid air of the mountain peaks to every section of the globe for fifty years. You can always depend on a White Mountain Refrigerator.

Manufactured by

THE MAINE MFG. CO.

Nashua, New Hampshire

Sold by

JOHN WANAMAKER

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Established 1838

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Interior Marble Work

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FAIRY TUBS

The FAIRY Combination Tub and Table—by the magic of *Convenience* — transforms Baby's Bath from a Task to a Pleasure.

Mother can sit facing her work, her knees comfortably *beneath* the tub.

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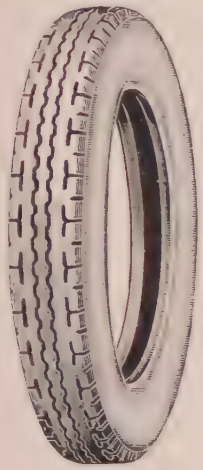

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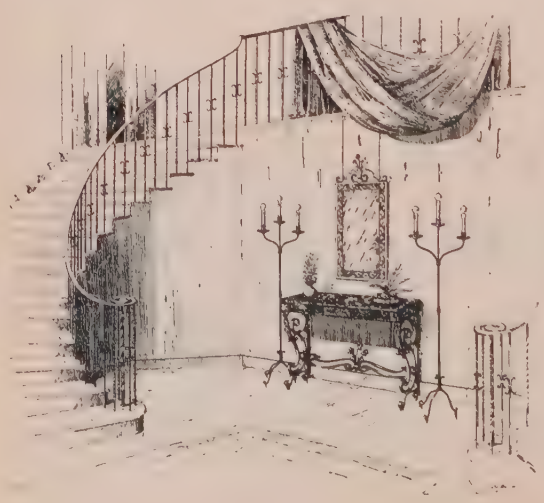

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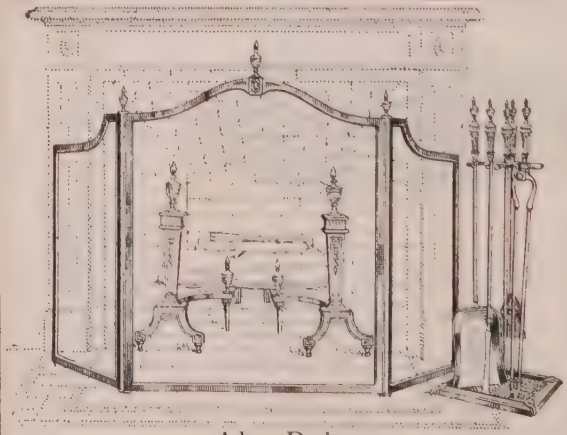

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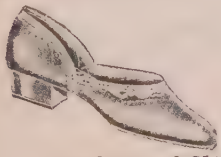

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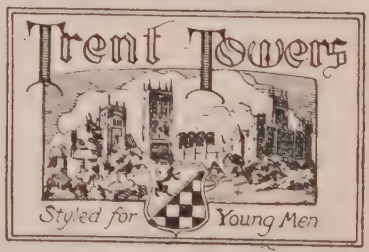

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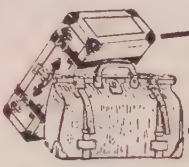

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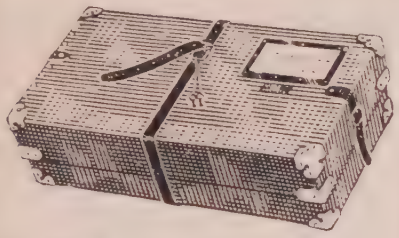

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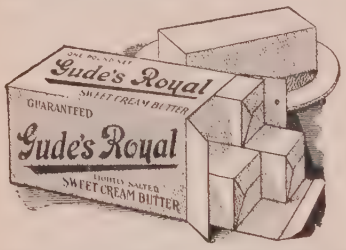

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ALMANAC 1928

A YEAR of 366 days, being designated as Leap Year, and, until the 4th of July, the 152nd year of American Independence.

This Almanac contains the rising, setting and eclipses of the Sun and Moon; the phases and places of the Moon; the aspects of the planets; the rising, setting and southing of the most conspicuous planets and fixed stars; the equation of time, and the tides.

NOTE TO READER.—The calculations in this Almanac are given for Philadelphia in local or mean solar time, when not otherwise expressed; the risings and settings of the Sun and Moon being for the upper limb, corrected for parallax and refraction.

To change to Standard Time, four minutes are to be subtracted for every degree of longitude the place is East of one of the Standard Meridians, and four minutes added for every degree West of the same.

CHRONOLOGICAL CYCLES, 1928

Dominical Letters	A, G
Epact	8
Lunar Cycle or Golden Number	10
Solar Cycle	5
Roman Indiction	11
Julian Period	6641

EMBER DAYS, 1928

February	29
March	2 and 3
May	30
June	1 and 2
September	19, 21 and 22
December	19, 21 and 22

THE SEASONS, 1928

(*Eastern Standard Time*)

Vernal Equinox: Sun enters Aries. Spring begins March 20, 5h. 45m., P.M.
Summer Solstice: Sun enters Cancer. Summer begins June 21, 11h. 7m., A.M.
Autumnal Equinox: Sun enters Libra. Autumn begins Sept. 23, 2h. 6m., A.M.
Winter Solstice: Sun enters Capricornus. Winter begins Dec. 21, 9h. 4m., P.M.

MORNING AND EVENING STARS, 1928

Morning Stars

Mercury about March 22, July 20 and November 9.
Venus until July 1.
Mars until December 21.
Jupiter from April 6 to October 28.
Saturn until June 6; after December 13 to end of year.

Evening Stars

Mercury about February 8, June 2 and September 29.
Venus after July 1 to end of year.
Mars after December 21 to end of year.
Jupiter until April 6; after October 28 to end of year.
Saturn from June 6 to December 13.

PLANETS BRIGHTEST, 1928

Mercury—February 6, May 8, August 4 and November 7.
Venus —Not during year.
Mars —December 21.
Jupiter —October 28.
Saturn —June 6.
Uranus —September 28.
Neptune—February 17.

CHARACTERS OF THE CONSTELLATIONS

♈ Aries, the Ram.
♉ Taurus, the Bull.
♊ Gemini, the Twins.
♋ Cancer, the Crab.
♌ Leo, the Lion.
♍ Virgo, the Virgin.
♎ Libra, the Balance.
♏ Scorpio, the Scorpion.
♐ Sagittarius, the Bowman.
♑ Capricornus, the Goat.
♒ Aquarius, the Waterman.
♓ Pisces, the Fishes.

ASTRONOMICAL CHARACTERS EXPLAINED

New Moon.
First Quarter.
Full Moon.
Last Quarter.

☊ Ascending Node.
☋ Descending Node.
☊ Moon at greatest declination North.
☋ Moon at greatest declination South.
☾ Moon in Apogee, farthest from the Earth.
☽ Moon in Perigee, nearest to the Earth.

PLANETS AND ASPECTS

☉ Sun.
⊕ Earth.
☾ Moon.
☿ Mercury.
♀ Venus.
♂ Mars.
♃ Jupiter
♄ Saturn.
♅ Uranus.
♆ Neptune.

☌ Conjunction, or planets in the same longitude.
✳ Sextile, when they are 60 degrees apart.
□ Quartile, when they are 90 degrees apart.
△ Trine, when they are 120 degrees apart.
☍ Opposition, when they are 180 degrees apart.

ECLIPSES, 1928 (STANDARD TIME)

IN the year 1928 there will be five Eclipses, three of the Sun and two of the Moon.

I. A TOTAL ECLIPSE OF THE SUN, MAY 17

Invisible to North America. Visible to the southern part of Africa, the extreme southern end of South America and the South Atlantic Ocean.

II. A TOTAL ECLIPSE OF THE MOON, JUNE 3

The beginning visible to North America except the northeastern portion, South America except the eastern part, Australia and the eastern border of Asia; the ending visible to Australia and Asia except the western part. Occurring as follows:

Standard	*Eastern*	*Central*	*Mountain*	*Pacific*
	h. m.	h. m.	h. m.	h. m.
Moon enters Penumbra	4 5 M.	3 5 M.	2 5 M.	1 5 M.
Moon enters Shadow	Invisible	4 18 M.	3 18 M.	2 18 M.
Total Eclipse begins	Invisible	Invisible	4 31 M.	3 31 M.
Middle of Eclipse	Invisible	Invisible	Invisible	4 9 M.

First contact of shadow, 85 degrees from the north point of the Moon's limb toward the east.

Magnitude of Eclipse = 1.247 (Moon's diameter = 1.0).

III. A PARTIAL ECLIPSE OF THE SUN, JUNE 17-18

Invisible to North America. Small and unimportant. Visible in the Arctic regions.

IV. A PARTIAL ECLIPSE OF THE SUN, NOVEMBER 12

Invisible to North America. Visible to Europe except the southwestern tip, the western and central parts of Asia and the northeastern edge of Africa.

V. A TOTAL ECLIPSE OF THE MOON, NOVEMBER 26-27

The beginning visible to North and South America, the western edge of Europe and the northeastern part of Asia; the ending visible to North America, the northwestern part of South America, Australia except the western part and the eastern part of Asia. Occurring as follows:

Standard	*Eastern*	*Central*	*Mountain*	*Pacific*
	d. h. m.	d. h. m.	d h. m.	d. h. m.
Moon enters Penumbra	27 1 25 M.	27 0 25 M.	26 11 25 A.	26 10 25 A.
Moon enters Shadow	27 2 24 M.	27 1 24 M.	27 0 24 M.	26 11 24 A.
Total Eclipse begins	27 3 33 M.	27 2 33 M.	27 1 33 M.	27 0 33 M.
Middle of Eclipse	27 4 1 M.	27 3 1 M.	27 2 1 M.	27 1 1 M.
Total Eclipse ends	27 4 29 M.	27 3 29 M.	27 2 29 M.	27 1 29 M.
Moon leaves Shadow	27 5 39 M.	27 4 39 M.	27 3 39 M.	27 2 39 M.
Moon leaves Penumbra	27 6 38 M.	27 5 38 M.	27 4 38 M.	27 3 38 M.

First contact of shadow, 84 degrees from the south point of the Moon's limb toward the east.

Magnitude of Eclipse = 1.155 (Moon's diameter = 1.0).

FIXED AND MOVABLE FESTIVALS, 1928

Epiphany	*January 6*
Septuagesima Sunday	*February 5*
Sexagesima Sunday	*February 12*
Quinquagesima (Shrove Sunday)	*February 19*
Ash Wednesday	*February 22*
First Sunday in Lent	*February 26*
St. Patrick	*March 17*
Annunciation (Lady Day)	*March 25*
Palm Sunday	*April 1*
Maundy Thursday	*April 5*
Good Friday	*April 6*
Easter Sunday	*April 8*
Low Sunday	*April 15*
Rogation Sunday	*May 13*
Ascension Day (Holy Thursday)	*May 17*
Pentecost (Whit-Sunday)	*May 27*
Trinity Sunday	*June 3*
Corpus Christi	*June 7*
St. John Baptist	*June 24*
Michaelmas Day	*September 29*
First Sunday in Advent	*December 2*
Christmas Day	*December 25*

The year 5689 of the Jewish Era begins on September 15, 1928.

The year 1347 of the Mohammedan Era begins on June 20, 1928.

Days		Sun				Moon						Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
Mon.	Week	Rises h.	m.	Sets h.	m.	Slow m.	Sets h.	m.	Constellation c.	d.	Souths h.	m.		Morn. h.	m.	Even. h.	m.	Morn. h.	m.	Even. h.	m.
	1	*Sunday after Christmas.*											*Matthew 1.*	*Day's length, 9 hours, 22 minutes.*							
1	Su	7	22	4	44	3	0	53	♓	27	7	18	Circumcision	8	34	8	58	2	17	2	27
2	Mo	7	23	4	45	4	2	5	♈	11	8	10	Venus rises 4 2 M.	9	33	9	53	3	23	3	41
3	Tu	7	23	4	46	4	3	18	♈	25	9	5	☾ in perigee	10	31	10	50	4	26	4	50
4	We	7	23	4	47	5	4	32	♉	10	10	3	⊕ in perihelion	11	27	11	50	5	25	5	52
5	Th	7	23	4	47	5	5	45	♉	24	11	4	☾ in ♌	.....		0	20	6	19	6	51
6	Fr	7	23	4	48	6	rises		♊	8	morn		Epiphany ◠	0	42	1	9	7	13	7	44
7	Sa	7	23	4	49	6	5	16	♊	22	0	5	7. Mars rises 5 43 M.	1	31	1	57	8	4	8	36
	2	*1st Sunday after Epiphany.*											*Luke 2.*	*Day's length, 9 hours, 27 minutes.*							
8	Su	7	23	4	50	6	6	23	♋	6	1	4	♂ ☿ ☉ superior	2	20	2	43	8	52	9	27
9	Mo	7	23	4	51	7	7	31	♋	19	2	0	☾ gr. libration W.	3	6	3	28	9	40	10	17
10	Tu	7	22	4	52	7	8	36	♌	2	2	51	♂ ♆ ☾	3	53	4	14	10	27	11	7
11	We	7	22	4	53	8	9	40	♌	15	3	38	Rigel S. 9 50 A.	4	41	5	0	11	15	11	57
12	Th	7	22	4	54	8	10	40	♌	28	4	22	Jupiter sets 10 26 A.	5	30	5	49	.....		0	3
13	Fr	7	22	4	55	9	11	40	♍	10	5	3	Capella S. 9 42 A.	6	22	6	39	0	50	0	55
14	Sa	7	21	4	56	9	morn		♍	22	5	44	14. Saturn rises 4 38 M.	7	16	7	33	1	42	1	47
	3	*2nd Sunday after Epiphany.*											*John 2.*	*Day's length, 9 hours, 36 minutes.*							
15	Su	7	21	4	57	9	0	38	♎	4	6	24	☾ in apogee	8	11	8	28	2	34	2	43
16	Mo	7	20	4	58	10	1	36	♎	15	7	6	♂ ♀ ♄	9	6	9	23	3	25	3	39
17	Tu	7	20	4	59	10	2	36	♎	27	7	50	Canopus S. 10 37 A.	9	58	10	15	4	14	4	32
18	We	7	20	5	0	10	3	37	♏	9	8	36	☿ gr. hel. lat. S. : ♂ ♄ ☾	10	49	11	5	4	59	5	23
19	Th	7	19	5	1	11	4	37	♏	22	9	25	♂ ♀ ☾ : ☾ in ♍	11	37	11	54	5	40	6	5
20	Fr	7	19	5	3	11	5	38	♐	4	10	18	♂ ♂ ☾ ◡	.....		0	23	6	21	6	47
21	Sa	7	18	5	4	11	6	34	♐	17	11	13	☉ enters ♒	0	40	1	7	6	58	7	25
	4	*3rd Sunday after Epiphany.*											*Matthew 8.*	*Day's length, 9 hours, 47 minutes.*							
22	Su	7	18	5	5	12	sets		♑	0	ev.	8	22. ♃ gr. hel. lat. S.	1	24	1	50	7	35	8	4
23	Mo	7	17	5	6	12	6	1	♑	13	1	3	♂ ☿ ☾ : ♂ ♃ ♂	2	6	2	31	8	12	8	41
24	Tu	7	16	5	7	12	7	12	♑	27	1	57	Sirius S. 10 29 A.	2	48	3	13	8	49	9	20
25	We	7	16	5	9	12	8	22	♒	11	2	48	Conversion of St. Paul	3	32	3	56	9	29	10	3
26	Th	7	15	5	10	13	9	33	♒	25	3	38	♂ ♂ ☾ : ♂ ♃ ☾	4	19	4	42	10	12	10	49
27	Fr	7	14	5	11	13	10	44	♓	9	4	26	Procyon S. 11 11 A.	5	8	5	32	10	59	11	42
28	Sa	7	13	5	12	13	11	56	♓	23	5	16	Uranus sets 9 35 A.	6	4	6	28	11	51	.....	
	5	*4th Sunday after Epiphany.*											*Matthew 8.*	*Day's length, 10 hours, 1 minute.*							
29	Su	7	12	5	13	13	morn		♈	8	6	6	29. ☾ in perigee	7	5	7	30	0	42	0	53
30	Mo	7	12	5	15	13	1	7	♈	22	6	59	Neptune rises 6 41 A.	8	9	8	34	1	50	2	9
31	Tu	7	11	5	16	13	2	19	♉	6	7	54	Pollux S. 11 0 A.	9	12	9	37	3	2	3	30

MOON'S PHASES

JANUARY—31 DAYS

Eastern Standard Time

	d.	h.	m.	
Full Moon	7	1	8	M.
Last Quarter	14	4	14	A.
New Moon	22	3	19	A.
First Quarter	29	2	26	A.

The January Birthstone

THE GARNET

By her who in this month is born
No gems save Garnets should be worn.
They will insure her constancy,
True friendship and fidelity.

Some Notable Events of January

January 8, 1815—The Americans under Andrew Jackson, defeated the British under Packenham, in Battle of New Orleans.

January 8, 1825—Eli Whitney, inventor of the cotton-gin, died in New Haven.

January 8, 1916—Ada Rehan, prominent actress, died in New York City.

January 11, 1757—Alexander Hamilton born at Nevis, West Indies.

January 12, 1900—James Martineau, theologian and philosopher, died in London.

January 18, 1871—German Empire re-established.

January 20, 1896—William H. Furness, clergyman and author, died in Philadelphia.

January 22, 1901—Queen Victoria of England died in the Isle of Wight.

A Century Ago

Prominent Events in 1817

FEBRUARY 20, under a resolution offered in Congress by Daniel Webster, the Government began specie payments.

June 18, Waterloo bridge, London, opened.

September 22, specie payments resumed in England.

Mississippi admitted to the Union.

James Monroe and Daniel D. Tomkins President and Vice-President of the United States.

DeWitt Clinton began his system of canals in New York.

The Seminole war breaks out.

The Second Bank of the United States went into operation in Philadelphia.

The chain bridge across the Schuylkill river, Philadelphia, near the Falls, put in operation.

The American Sunday-school Union formed in Philadelphia in May, with Alexander Henry President.

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
Mon.	Week	Rises h. m.	Sets h. m.	Slow m.	Sets h. m.	Constellation c. d.	Souths h. m.		Morn. h. m.		Even. h. m.		Morn. h. m.		Even. h. m.	
1	We	7 10	5 17	14	3 31	♉ 20	8 52	☾ in ♌	10	12	10	36	4	11	4	43
2	Th	7 9	5 18	14	4 40	♊ 4	9 52	Purification—Candlemas ♎	11	8	11	32	5	14	5	47
3	Fr	7 8	5 19	14	5 42	♊ 17	10 50	Venus rises 4 57 M.	.....		0	2	6	11	6	44
4	Sa	7 7	5 21	14	6 35	♋ 1	11 47	Mars rises 5 22 M.	0	25	0	52	7	3	7	34
	6	*Septuagesima Sunday.*				*Matthew 20.*		*Day's length, 10 hours, 16 minutes.*								
5	Su	7 6	5 22	14	rises	♋ 14	morn	5. Jupiter sets 9 14 A.	1	15	1	39	7	51	8	22
6	Mo	7 5	5 23	14	6 18	♋ 27	0 40	☌ ☿ ☾ : ☿ in ♌	2	1	2	23	8	36	9	6
7	Tu	7 4	5 24	14	7 23	♌ 10	1 29	Saturn rises 3 14 M.	2	46	3	7	9	19	9	49
8	We	7 3	5 25	14	8 26	♌ 23	2 14	☿ gr. elong. E., 18° 12′	3	29	3	49	9	59	10	28
9	Th	7 2	5 27	14	9 26	♍ 5	2 57	Rigel S. 7 56 A.	4	14	4	32	10	36	11	8
10	Fr	7 1	5 28	14	10 25	♍ 17	3 38	☿ in perihelion	4	58	5	16	11	13	11	50
11	Sa	7 0	5 29	14	11 24	♍ 29	4 19	Capella S. 7 48 A.	5	46	6	4	11	50	.....	
	7	*Sexagesima Sunday.*				*Luke 8.*		*Day's length, 10 hours, 31 minutes.*								
12	Su	6 59	5 30	14	morn	♎ 11	5 0	☾ in apogee	6	36	6	55	0	32	0	33
13	Mo	6 57	5 31	14	0 24	♎ 23	5 43	13. ☌ ☿ ☌	7	29	7	49	1	21	1	29
14	Tu	6 56	5 33	14	1 24	♏ 5	6 28	St. Valentine's Day	8	25	8	45	2	18	2	38
15	We	6 54	5 34	14	2 24	♏ 17	7 15	☌ ♭ ☾ : ☾ in ♈	9	20	9	41	3	19	3	48
16	Th	6 53	5 35	14	3 24	♏ 29	8 6	Canopus S. 8 39 A.	10	13	10	34	4	16	4	47
17	Fr	6 52	5 36	14	4 21	♐ 12	8 59	☍ ☿ ☉ ☽	11	5	11	25	5	7	5	39
18	Sa	6 51	5 37	14	5 15	♐ 25	9 54	☌ ☌ ☾ : ☌ ♀ ☾	11	54	.....		5	53	6	23
	8	*Quinquagesima—Shrove Sunday.*				*Luke 18.*		*Day's length, 10 hours, 50 minutes.*								
19	Su	6 49	5 39	14	6 0	♑ 8	10 50	☉ enters ♓	0	14	0	41	6	36	7	5
20	Mo	6 48	5 40	14	sets	♑ 22	11 45	☿ gr. hel. lat. N.	1	1	1	26	7	16	7	43
21	Tu	6 47	5 41	14	6 5	♒ 6	ev. 38	21. ☌ ☿ ☾	1	46	2	11	7	55	8	23
22	We	6 46	5 42	14	7 17	♒ 21	1 30	Ash Wednesday	2	31	2	55	8	35	9	4
23	Th	6 44	5 43	14	8 31	♓ 5	2 21	☌ ♁ ☾ : ☌ ♃ ☾	3	16	3	40	9	16	9	47
24	Fr	6 43	5 45	13	9 45	♓ 20	3 11	St. Matthias : ☾ in perigee	4	3	4	28	9	59	10	32
25	Sa	6 41	5 46	13	10 59	♈ 4	4 2	Castor S. 9 11 A.	4	54	5	18	10	46	11	21
	9	*1st Sunday in Lent.*				*Matthew 4.*		*Day's length, 11 hours, 7 minutes.*								
26	Su	6 40	5 47	13	morn	♈ 18	4 55	Uranus sets 7 49 A.	5	48	6	13	11	36	.....	
27	Mo	6 38	5 48	13	0 12	♉ 3	5 50	27. Procyon S. 9 9 A.	6	47	7	13	0	20	0	40
28	Tu	6 37	5 49	13	1 23	♉ 17	6 47	☾ in ♌	7	49	8	17	1	28	2	2
29	We	6 35	5 51	13	2 32	♊ 0	7 45	Neptune sets 6 13 M.	8	53	9	20	2	46	3	27

MOON'S PHASES

FEBRUARY—29 DAYS

Eastern Standard Time

	d.	h.	m.	
○ Full Moon	5	3	11	A.
☾ Last Quarter	13	2	5	A.
● New Moon	21	4	41	M.
☽ First Quarter	27	10	21	A.

The February Birthstone

THE AMETHYST

The February-born shall find
Sincerity and peace of mind,
Freedom from passion and
from care,
If they the Amethyst will wear.

Some Notable Events of February

February 4, 1881—Thomas Carlyle, famous British author and philosopher, died at Chelsea, London.

February 20, 1920—Rear-Admiral Robert E. Peary, who claimed discovery of the North Pole, died in Washington, D. C.

February 22, 1732—George Washington born in Westmoreland County, Va.

February 26, 1842—Camille Flammarion, famous astronomer, born in France.

St. Valentine's Day

IT is a popular error, says the *Philadelphia Public Ledger,* to assume that February 14 is to be associated with a single saint. The day belongs to no fewer than seven persons in the comprehensive ecclesiastical calendar, and the head of an eighth is venerated at this time.

They came from France, Belgium, Spain and Africa. The best-known members of the group were a bishop of Umbria and a priest of Rome, both of the third century A. D. History and legend are vague in reciting the details of their personal history.

The lovers' festival is apparently to be connected, not with the birthday of these holy men, but with an early pagan festival that was part of the Roman Lupercalia.

The medieval custom in England and on the Continent was to put the names of young men and women in a jar, and draw them out on St. Valentine's eve. Those whose names were thus linked had to make presents to each other and agree to be each other's valentines for the ensuing year.

By and by the women were released from the obligation to make gifts, and only the men sent presents or missives expressive of affectionate sentiment.

Days		Sun			Moon				Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
		Rises	Sets	Slow	Sets	Constellation		Souths		Morn.		Even.		Morn.		Even.	
Mon.	Week	h. m.	h. m.	m.	h. m.	c.	d.	h. m.		h.	m.	h.	m.	h.	m.	h.	m.
1	Th	6 34	5 52	12	3 35	♓	14	8 43	St. David	9	53	10	20	4	0	4	41
2	Fr	6 32	5 53	12	4 31	♓	27	9 39	Venus rises 5 13 M.	10	51	11	16	5	6	5	42
3	Sa	6 31	5 54	12	5 17	♋	10	10 32	☾ gr. libration W.	11	44	.....		6	2	6	34
10		*2nd Sunday in Lent.*							*Matthew 15.*	*Day's length, 11 hours, 26 minutes.*							
4	Su	6 29	5 55	12	5 55	♋	23	11 22	☌ ☿ ☾	0	8	0	33	6	52	7	20
5	Mo	6 28	5 56	12	rises	♌	6	morn		0	56	1	19	7	36	8	2
6	Tu	6 26	5 57	11	6 13	♌	19	0 8	Castor S. 8 36 A.	1	40	2	1	8	17	8	41
7	We	6 25	5 58	11	7 15	♍	1	0 52	6. Mars rises 4 46 M.	2	23	2	41	8	53	9	17
8	Th	6 23	5 59	11	8 14	♍	14	1 34	☿ stationary	3	3	3	21	9	28	9	51
9	Fr	6 22	6 0	11	9 13	♍	26	2 15	Procyon S. 8 30 A.	3	44	4	2	10	0	10	22
10	Sa	6 20	6 1	10	10 13	♎	7	2 56	□ ♄ ☉	4	26	4	43	10	30	10	51
11		*3rd Sunday in Lent.*							*Luke 11.*	*Day's length, 11 hours, 43 minutes.*							
11	Su	6 19	6 2	10	11 13	♎	19	3 38	☾ in apogee	5	9	5	27	11	0	11	23
12	Mo	6 17	6 3	10	morn	♍	1	4 21	Saturn rises 1 8 M.	5	57	6	16	11	35	.....	
13	Tu	6 15	6 4	10	0 12	♍	13	5 7	☾ in ♉	6	49	7	10	0	2	0	20
14	We	6 14	6 5	9	1 11	♍	25	5 56	14. ☌ ♄ ☾	7	44	8	8	0	51	1	30
15	Th	6 12	6 7	9	2 8	♐	7	6 48	♃ in perihelion	8	42	9	6	1	59	2	50
16	Fr	6 11	6 8	9	3 3	♐	20	7 41	Uranus sets 6 39 A.	9	38	10	2	3	19	4	7
17	Sa	6 9	6 9	8	3 53	♑	3	8 35	St. Patrick : ☌ ☿ ♀	10	32	10	55	4	26	5	6
12		*4th Sunday in Lent.*							*John 6.*	*Day's length, 12 hours, 3 minutes.*							
18	Su	6 7	6 10	8	4 36	♑	16	9 30	☌ ☌ ☾	11	23	11	45	5	20	5	54
19	Mo	6 6	6 11	8	5 14	♒	0	10 24	☌ ☿ ☾ : ☌ ♀ ☾	.....		0	13	6	7	6	38
20	Tu	6 4	6 12	8	5 46	♒	14	11 16	☉ enters ♈, Spring begins	0	34	0	59	6	51	7	21
21	We	6 3	6 13	7	sets	♒	29	ev. 8	21. ☌ ♁ ☾	1	20	1	46	7	35	8	3
22	Th	6 1	6 14	7	7 24	♓	14	1 0	☌ ♃ ☾	2	7	2	32	8	18	8	45
23	Fr	5 59	6 15	7	8 40	♓	29	1 52	☾ in perigee	2	53	3	18	9	1	9	28
24	Sa	5 57	6 16	6	9 57	♈	14	2 46	☌ ♁ ☉	3	41	4	6	9	47	10	14
13		*5th Sunday in Lent.*							*John 8.*	*Day's length, 12 hours, 21 minutes.*							
25	Su	5 56	6 17	6	11 12	♈	29	3 42	Annunciation	4	32	4	58	10	36	11	4
26	Mo	5 54	6 18	6	morn	♉	13	4 40	☾ in ♌	5	27	5	53	11	31	.....	
27	Tu	5 52	6 19	5	0 25	♉	27	5 40	Neptune sets 4 26 M.	6	25	6	54	0	2	0	39
28	We	5 50	6 20	5	1 31	♊	11	6 39	28. ♄ stationary	7	27	7	58	1	12	2	0
29	Th	5 49	6 21	5	2 28	♊	24	7 36	☾ gr. libration W.	8	31	9	1	2	31	3	21
30	Fr	5 47	6 22	5	3 17	♋	7	8 29	♀ in aphelion	9	31	10	1	3	46	4	31
31	Sa	5 46	6 23	4	3 57	♋	20	9 19	☌ ☿ ☾	10	29	10	57	4	51	5	29

MOON'S PHASES

MARCH—31 DAYS

Eastern Standard Time

	d.	h.	m.	
Full Moon	6	6	27	M.
Last Quarter	14	10	20	M.
New Moon	21	3	29	A.
First Quarter	28	6	54	M.

The March Birthstone

THE AQUAMARINE

Who on this world of ours their eyes
In March first open, shall be wise;
In days of peril, firm and brave,
And wear an Aquamarine to the grave.

Some Notable Events of March

March 5, 1770—Boston Massacre.

March 9, 1862—Battle between the *Monitor* and the *Merrimac*.

March 15, 1767—Andrew Jackson, seventh President of the United States, born in Mecklenburg County, North Carolina.

March 15, 1781—Battle of Guilford Courthouse, N. C., between Americans under General Greene and the British under Cornwallis.

March 30, 1867—Alaska purchased by United States from Russia.

When It Happened

TELEPHONE invented, 1861. French and Indian War in America, 1754.

Modern needles first came into use in 1545.

Coaches were first used in England in 1569.

French Revolution, 1789; Reign of Terror, 1793.

The first newspaper advertisement appeared in 1652.

Glass mirrors were first made by Venetians in the 13th century. Polished metal had been used for mirror purposes before that time.

The first iron ore discovered in this country was found in Virginia in 1715.

Jamestown, Va., first permanent English settlement in America, founded 1607.

Books in their present form were invented by Attalus, King of Pergamos, in 887 A. D.

The first illumination with gas was in Cornwall, England, 1792; in the United States, at Boston, 1822.

The great wall of China, built 200 B. C., is 1,250 miles in length, 20 feet high, and 25 feet thick at the base.

Printing was known in China in the sixth century; introduced into England about 1474; America, 1536.

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia		High Tide New York (St. Time)	
Mon.	Week	Rises h. m.	Sets h. m.	Slow m.	Sets h. m.	Constellation c. d.	Souths h. m.		Morn. h. m.	Even. h. m.	Morn. h. m.	Even. h. m.
	14	*Palm Sunday.*				*Matthew 27.*		*Day's length, 12 hours, 40 minutes.*				
1	Su	5 44	6 24	4	4 31	♌ 3	10 6	Regulus S. 9 24 A.	11 22	11 48	5 46	6 17
2	Mo	5 42	6 25	4	4 59	♌ 15	10 49	Venus rises 4 56 M.	.....	0 9	6 33	6 59
3	Tu	5 41	6 26	3	5 23	♌ 28	11 31	Denebola S. 10 56 A.	0 34	0 54	7 14	7 37
4	We	5 39	6 27	3	rises	♍ 10	morn	4. Mars rises 3 56 M.	1 16	1 35	7 52	8 13
5	Th	5 38	6 28	3	7 4	♍ 22	0 12	Spica S. 0 28 M.	1 57	2 15	8 27	8 44
6	Fr	5 36	6 29	2	8 3	♎ 4	0 53	Good Friday : ♂ ♃ ☉	2 37	2 53	8 59	9 15
7	Sa	5 34	6 30	2	9 4	♎ 16	1 35	♂ ☿ ♀ : ☾ in apogee	3 16	3 33	9 29	9 41
	15	*Easter Sunday.*				*John 20.*		*Day's length, 12 hours, 58 minutes.*				
8	Su	5 33	6 31	2	10 4	♎ 28	2 18	Arcturus S. 1 7 M.	3 55	4 13	9 56	10 8
9	Mo	5 31	6 32	2	11 3	♏ 9	3 3	☾ in ♉	4 37	4 56	10 25	10 38
10	Tu	5 30	6 33	1	morn	♏ 21	3 50	♂ ♭ ☾	5 22	5 43	10 59	11 15
11	We	5 28	6 34	1	0 2	♐ 3	4 40	Jupiter rises 5 27 M.	6 11	6 36	11 42	.....
12	Th	5 27	6 35	1	0 56	♐ 15	5 32	Alphacca S. 2 11 M. ☾	7 6	7 33	0 2	0 36
13	Fr	5 25	6 36	1	1 46	♐ 28	6 25	13. ♂ ☿ ♁	8 5	8 33	0 59	1 49
14	Sa	5 24	6 37	0	2 30	♑ 11	7 18	♂ ♀ ♁	9 3	9 31	2 12	3 17
	16	*Low Sunday.*				*John 20.*		*Day's length, 13 hours, 16 minutes.*				
15	Su	5 22	6 38	fast	3 9	♑ 24	8 10	☿ gr. hel. lat. S.	9 59	10 25	3 30	4 24
16	Mo	5 21	6 39	0	3 43	♒ 8	9 2	♂ ♂ ☾	10 52	11 17	4 36	5 20
17	Tu	5 20	6 40	0	4 14	♒ 23	9 53	Saturn rises 10 42 A.	11 43	.....	5 33	6 8
18	We	5 18	6 41	1	4 43	♓ 7	10 44	♂ ♀ ☾ : ♂ ☿ ☾	0 7	0 32	6 23	6 54
19	Th	5 17	6 42	1	sets	♓ 22	11 37	♂ ♃ ☾	0 56	1 20	7 12	7 40
20	Fr	5 15	6 43	1	7 30	♈ 8	ev. 31	20. ☾ in perigee	1 44	2 8	8 0	8 25
21	Sa	5 14	6 44	1	8 50	♈ 23	1 27	♀ gr. hel. lat. S.	2 31	2 55	8 49	9 12
	17	*2nd Sunday after Easter.*				*John 10.*		*Day's length, 13 hours, 32 minutes.*				
22	Su	5 13	6 45	2	10 7	♉ 8	2 27	♂ ☿ ♃ : ☾ in ♌	3 20	3 45	9 38	10 0
23	Mo	5 11	6 46	2	11 19	♉ 22	3 28	St. George	4 11	4 37	10 31	10 53
24	Tu	5 10	6 47	2	morn	♊ 7	4 30	Uranus rises 4 4 M. ♅	5 5	5 33	11 30	11 51
25	We	5 8	6 48	2	0 23	♊ 21	5 29	St. Mark	6 3	6 34	.....	0 39
26	Th	5 7	6 49	2	1 16	♋ 4	6 25	26. ☾ gr. libration W.	7 4	7 37	1 0	1 52
27	Fr	5 6	6 50	2	1 59	♋ 17	7 17	Vega S. 4 14 M.	8 5	8 39	2 13	3 5
28	Sa	5 4	6 51	3	2 34	♌ 0	8 5	♂ ♆ ☾	9 5	9 38	3 24	4 9
	18	*3rd Sunday after Easter.*				*John 16.*		*Day's length, 13 hours, 49 minutes.*				
29	Su	5 3	6 52	3	3 4	♌ 13	8 49	♂ ♀ ♃	10 1	10 32	4 27	5 4
30	Mo	5 1	6 53	3	3 29	♌ 25	9 31	Neptune sets 2 10 M.	10 53	11 22	5 19	5 50

MOON'S PHASES

APRIL—30 DAYS

Eastern Standard Time

	d.	h.	m.	
○ Full Moon	4	10	38	A.
☾ Last Quarter	13	3	9	M.
● New Moon	20	0	25	M.
☽ First Quarter	26	4	42	A.

The April Birthstone

THE DIAMOND

She who from April dates her years
Diamonds should wear, lest bitter tears
For vain repentance flow. This stone
Emblem of innocence is known.

Some Notable Events of April

April 6, 1909—Robert E. Peary claimed discovery of North Pole.

April 9, 1865—Lee surrendered to Grant at Appomattox.

April 13, 1743—Thomas Jefferson born at Shadwell, Albemarle County, Va.

April 19, 1775—Battle of Lexington, the first engagement of the American Revolution.

April 19, 1861—Federal troops attacked while marching through Baltimore.

April 20, 1789—Public demonstration for President-elect Washington as he entered Philadelphia en route to New York to be inaugurated.

April 20, 1898—President McKinley signed the resolutions of Congress regarding intervention of Cuba. Ultimatum to Spain cabled to Minister Woodford.

April 21, 1827—The Hicksite sect of Friends (Quakers) was founded.

April 21, 1836—Sam Houston defeated the Mexicans in battle of San Jacinto, deciding the independence of Texas.

April 22, 1794—Act of Assembly abolished capital punishment in Pennsylvania for all crimes except murder.

April 22, 1865—Body of President Lincoln lay in state in Philadelphia.

April 23, 1564—William Shakespeare, the world's greatest literary genius, born at Stratford-on-Avon, England. Died there April 23, 1616.

April 23, 1831—Miniature locomotive set in motion in the Museum, Philadelphia, by Mathias H. Baldwin.

April 23, 1898—President McKinley called for 125,000 volunteers for the war with Spain.

Days		Sun				Moon						Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
Mon.	Week	Rises h.	m.	Sets h.	m.	Fast m.	Sets h.	m.	Constellation c.	d.	Souths h.	m.		Morn. h.	m.	Even. h.	m.	Morn. h.	m.	Even. h.	m.
1	Tu	5	0	6	54	3	3	52	♍	7	10	12	St. Philip and St. James	11	40	.....		6	6	6	32
2	We	4	59	6	55	3	4	15	♍	19	10	52	Venus rises 4 27 M.	0	7	0	24	6	47	7	8
3	Th	4	58	6	56	3	4	37	♎	1	11	33	☌ ☿ ☉ superior	0	49	1	6	7	25	7	42
4	Fr	4	56	6	57	3	rises		♎	13	morn		4. ☾ in apogee	1	30	1	47	8	0	8	13
5	Sa	4	55	6	58	3	7	56	♎	25	0	15	Spica S. 10 26 A.	2	9	2	27	8	34	8	43
	19	*4th Sunday after Easter.*					*John 16.*						*Day's length, 14 hours, 5 minutes.*								
6	Su	4	54	6	59	3	8	56	♏	6	1	0	☾ in ♉	2	49	3	6	9	3	9	10
7	Mo	4	53	7	0	4	9	56	♏	18	1	47	♆ stationary : ☌ ♄ ☾	3	28	3	47	9	32	9	38
8	Tu	4	52	7	1	4	10	52	♐	0	2	36	☿ in perihelion	4	9	4	29	10	2	10	9
9	We	4	51	7	2	4	11	43	♐	12	3	27	Arcturus S. 11 2 A. ☋	4	52	5	14	10	36	10	47
10	Th	4	50	7	3	4	morn		♐	25	4	19	☌ gr. hel. lat. S.	5	40	6	5	11	19	11	32
11	Fr	4	49	7	4	4	0	29	♑	7	5	11	Alphacca S. 0 17 M.	6	33	7	2	.....		0	13
12	Sa	4	48	7	5	4	1	8	♑	20	6	3	12. ☾ gr. libration E.	7	30	8	2	0	26	1	15
	20	*Rogation Sunday.*					*John 16.*						*Day's length, 14 hours, 19 minutes.*								
13	Su	4	47	7	6	4	1	43	♒	3	6	53	Antares S. 1 2 M.	8	29	9	1	1	27	2	29
14	Mo	4	46	7	6	4	2	13	♒	17	7	42	Mars rises 2 33 M.	9	27	9	56	2	38	3	40
15	Tu	4	45	7	7	4	2	41	♓	1	8	32	☌ ☍ ☾ : ☌ ♁ ☾	10	21	10	50	3	50	4	40
16	We	4	44	7	8	4	3	9	♓	16	9	22	Vega S. 2 59 M.	11	14	11	41	4	55	5	35
17	Th	4	43	7	9	4	3	37	♈	1	10	14	Ascension Day : ☌ ☊ ☾	.....		0	5	5	54	6	28
18	Fr	4	42	7	10	4	4	8	♈	16	11	9	☌ ♀ ☾ : ☾ in perigee	0	34	0	55	6	49	7	17
19	Sa	4	42	7	11	4	sets		♉	1	ev.	7	19. Altair S. 4 0 M.	1	20	1	44	7	44	8	8
	21	*Sunday after Ascension.*					*John 15-16.*						*Day's length, 14 hours, 31 minutes.*								
20	Su	4	41	7	12	4	8	57	♉	16	1	9	☌ ☿ ☾ : ☾ in ♌	2	9	2	34	8	38	8	59
21	Mo	4	40	7	13	4	10	7	♊	1	2	12	☉ enters ♊	2	59	3	25	9	31	9	49
22	Tu	4	39	7	14	3	11	6	♊	15	3	15	Denebola S. 7 44 A. ☊	3	50	4	17	10	27	10	43
23	We	4	38	7	15	3	11	55	♋	0	4	15	Jupiter rises 3 7 M.	4	44	5	13	11	25	11	40
24	Th	4	38	7	15	3	morn		♋	13	5	11	☌ ☍ ♁	5	39	6	11	.....		0	29
25	Fr	4	37	7	16	3	0	35	♋	26	6	1	☌ ♆ ☾	6	37	7	11	0	42	1	34
26	Sa	4	36	7	17	3	1	6	♌	9	6	47	26. Spica S. 9 4 A.	7	36	8	11	1	48	2	38
	22	*Pentecost—Whit Sunday.*					*John 14.*						*Day's length, 14 hours, 42 minutes.*								
27	Su	4	36	7	18	3	1	33	♌	22	7	30	Saturn rises 7 55 A.	8	33	9	9	2	49	3	36
28	Mo	4	35	7	19	3	1	57	♍	4	8	11	Arcturus S. 9 47 A.	9	28	10	1	3	49	4	29
29	Tu	4	35	7	19	3	2	20	♍	16	8	52	Uranus rises 1 51 M.	10	18	10	50	4	43	5	16
30	We	4	34	7	20	3	2	43	♍	28	9	32	Alphacca S. 10 58 A.	11	7	11	36	5	31	5	58
31	Th	4	34	7	21	2	3	6	♎	10	10	14	Neptune sets 0 9 M.	11	53	.....		6	15	6	36

MOON'S PHASES

MAY—31 DAYS

Eastern Standard Time

	d.	h.	m.	
Full Moon	4	3	12	A.
Last Quarter	12	3	50	A.
New Moon	19	8	14	M.
First Quarter	26	4	12	M.

The May Birthstone

THE EMERALD

Who first beholds the light of day
In Spring's sweet, flowery month of May,
And wears an Emerald all her life,
Shall be a loved and happy wife.

Some Notable Events of May

May 1, 1898—Battle of Manila Bay, (Spanish-American War).

May 2, 1863—Beginning of the great Battle of Chancellorsville, which ended the next day in a victory for the Confederates.

May 4, 1789—U. S. Federal Constitution went into effect.

May 4, 1837—Financial panic of 1837 ran through the U. S.

May 5, 1821—Napoleon Bonaparte died in exile on the island of St. Helena.

May 6, 1780—Fort Moultrie, S. C., surrendered to Captain Hudson, of the British Navy.

May 7, 1926—Nearly 100 rebels were killed in a bombardment of Damascus by the French.

May 10, 1775—Second Continental Congress convened in Philadelphia. John Hancock elected President.

May 10, 1792—Cornerstone of President's House in Philadelphia laid by Governor Mifflin.

May 10, 1797—First United States frigate, *United States,* launched in Philadelphia.

May 10, 1926—Alton B. Parker, Democratic Nominee for President in 1904, died in New York City.

May 11, 1902—Cuban flag raised over Morro Castle for the first time.

May 14, 1775—Benjamin Franklin returned to America from England.

May 14, 1781—Robert Morris, of Philadelphia, became Superintendent of Finance for Revolutionary War.

May 14, 1787—Convention met in Philadelphia to frame Federal Constitution.

May 14, 1800—Last session of Congress in Philadelphia.

May 14, 1926—The Caliphate Congress, the first in the history of Islam, opened at Cairo, Egypt.

May 18, 1778—Famous ball called "Meschianza" given by British officers in Philadelphia in honor of Sir William Howe.

JUNE 1928

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia		High Tide New York (St. Time)	
Mon.	Week	Rises h. m.	Sets h. m.	Fast m.	Sets h. m.	Constellation c. d.	Souths h. m.		Morn. h. m.	Even. h. m.	Morn. h. m.	Even. h. m.
1	Fr	4 34	7 22	2	3 31	♎ 22	10 58	☾ in apogee	0 20	0 37	6 56	7 11
2	Sa	4 33	7 22	2	3 58	♏ 3	11 44	☿ gr. elong. E., 23° 32′	1 2	1 19	7 33	7 45
	23	*Trinity Sunday.*			*John 3.*			*Day's length, 14 hours, 50 minutes.*				
3	Su	4 33	7 23	2	rises	♏ 15	morn	3. ♂ ♄ ☾	1 43	2 0	8 9	8 17
4	Mo	4 32	7 23	2	8 46	♏ 27	0 32	♂ in perihelion	2 23	2 41	8 44	8 48
5	Tu	4 32	7 24	2	9 40	♐ 9	1 23	Spica S. 8 25 A. ♍	3 3	3 22	9 15	9 18
6	We	4 32	7 25	2	10 28	♐ 22	2 15	☍ ♄ ☉	3 44	4 4	9 48	9 51
7	Th	4 32	7 25	1	11 9	♑ 4	3 7	Corpus Christi	4 27	4 49	10 23	10 28
8	Fr	4 31	7 26	1	11 44	♑ 17	3 59	Venus rises 4 11 M.	5 13	5 39	11 5	11 12
9	Sa	4 31	7 26	1	morn	♒ 0	4 49	☾ gr. libration E.	6 4	6 34	11 54	.....
	24	*1st Sunday after Trinity.*			*Luke 16.*			*Day's length, 14 hours, 56 minutes.*				
10	Su	4 31	7 27	1	0 16	♒ 13	5 38	Alphacca S. 10 15 A.	6 59	7 32	0 1	0 50
11	Mo	4 31	7 27	1	0 44	♒ 27	6 25	11. St. Barnabas	7 57	8 31	0 57	1 53
12	Tu	4 31	7 28	0	1 11	♓ 11	7 13	♂ ♁ ☾	8 56	9 29	2 0	2 59
13	We	4 31	7 28	0	1 38	♓ 25	8 2	☌ ♂ ☾ : ☌ ♃ ☾	9 52	10 24	3 9	4 3
14	Th	4 31	7 29	slow	2 7	♈ 10	8 54	Antares S. 10 52 A.	10 47	11 17	4 20	5 5
15	Fr	4 31	7 29	0	2 39	♈ 24	9 49	Mars rises 1 24 M.	11 40	.....	5 28	6 4
16	Sa	4 31	7 29	1	3 17	♉ 9	10 48	☿ in ♋ : ☾ in perigee	0 9	0 33	6 32	6 59
	25	*2nd Sunday after Trinity.*			*Luke 14.*			*Day's length, 14 hours, 59 minutes.*				
17	Su	4 31	7 30	1	sets	♉ 24	11 51	17. ☌ ☿ ☾	1 0	1 23	7 30	7 53
18	Mo	4 31	7 30	1	8 50	♊ 9	ev. 55	☌ ☿ ☾ ♎	1 50	2 14	8 27	8 47
19	Tu	4 31	7 31	1	9 46	♊ 24	1 58	Vega S. 0 46 M.	2 40	3 4	9 22	9 39
20	We	4 31	7 31	1	10 30	♋ 8	2 57	Jupiter rises 1 31 M.	3 31	3 56	10 17	10 32
21	Th	4 31	7 31	2	11 6	♋ 22	3 52	☉ enters ♋, Summer begins	4 21	4 49	11 13	11 25
22	Fr	4 31	7 31	2	11 35	♌ 5	4 41	☾ gr. libration W.	5 13	5 44	.....	0 9
23	Sa	4 32	7 32	2	morn	♌ 18	5 26	Altair S. 1 42 M.	6 7	6 40	0 15	1 5
	26	*3rd Sunday after Trinity.*			*Luke 15.*			*Day's length, 15 hours, 0 minutes.*				
24	Su	4 32	7 32	2	0 1	♍ 0	6 9	24. St. John Baptist	7 1	7 37	1 13	2 0
25	Mo	4 32	7 32	2	0 24	♍ 13	6 50	Saturn sets 3 28 M.	7 56	8 33	2 8	2 54
26	Tu	4 32	7 32	3	0 47	♍ 25	7 30	Uranus rises 0 2 M.	8 50	9 25	3 4	3 45
27	We	4 33	7 32	3	1 10	♎ 7	8 12	Neptune sets 10 21 A.	9 42	10 15	3 59	4 33
28	Th	4 33	7 32	3	1 34	♎ 18	8 54	☾ in apogee	10 32	11 3	4 50	5 19
29	Fr	4 34	7 32	3	2 1	♏ 0	9 40	St. Peter and St. Paul	11 20	11 49	5 39	6 1
30	Sa	4 34	7 32	3	2 32	♏ 12	10 28	♂ ♄ ☾ : ☾ in ♍	.....	0 7	6 23	6 40

MOON'S PHASES

JUNE—30 DAYS

Eastern Standard Time

	d.	h.	m.	
○ Full Moon	3	7	13	M.
☾ Last Quarter	11	0	51	M.
● New Moon	17	3	42	A.
☽ First Quarter	24	5	47	A.

The June Birthstone

THE PEARL

Who comes with Summer to this earth,
And owes to June her hour of birth,
With ring of Pearl upon her hand
Can health, wealth, and long life command.

Some Notable Events of June

June 1, 1792—Kentucky admitted into the Union.

June 1, 1796—Tennessee admitted into the Union.

June 3, 1864—Battle of Cold Harbor.

June 3, 1898—Hobson sank the Merrimac in Santiago Harbor, Cuba.

June 6, 1891—Lieutenant Robert E. Peary sailed from New York in quest of North Pole.

June 8, 1845—Andrew Jackson died at The Hermitage, Tenn.

June 10, 1727—George I, King of England and Elector of Hanover, died at Osnabruck, Germany.

June 11, 1918—U. S. aviators executed their first bombing raid northwest of Metz.

June 12, 1898—American Army sailed for Cuba in 32 transports.

June 14, 1777—Flag Day; Stars and Stripes adopted by Continental Congress.

June 15, 1752—Franklin's kite experiment to prove power of electricity, took place in Philadelphia.

June 15, 1836—Arkansas admitted to the Union.

June 15, 1846—Oregon treaty signed.

June 16, 1755—Confirmatory charter granted for the college in Philadelphia which later became the present University of Pennsylvania.

June 16, 1863—General Jenkins, at the head of 950 Confederate cavalrymen, rode into Chambersburg, Pa.

June 16, 1925—The MacMillan Arctic expedition sailed in the steamship *Peary* from Charlestown, Mass.

June 17, 1579—San Francisco Harbor was discovered by Sir Francis Drake.

JULY 1928

Days		Sun			Moon				Aspects of Planets, etc.	High Tide Philadelphia		High Tide New York (St. Time)	
Mon.	Week	Rises h. m.	Sets h. m.	Slow m.	Sets h. m.	Constellation c.	d.	Souths h. m.		Morn. h. m.	Even. h. m.	Morn. h. m.	Even. h. m.
	27	*4th Sunday after Trinity.*							*Luke 6.*	*Day's length, 14 hours, 57 minutes.*			
1	Su	4 35	7 32	4	3 9	♏	24	11 18	♂ ♀ ☉ superior	0 34	0 52	7 6	7 18
2	Mo	4 35	7 32	4	rises	♐	6	morn	2. Venus sets 7 34 A. ☽	1 17	1 35	7 45	7 54
3	Tu	4 36	7 31	4	8 25	♐	19	0 10	♂ ♂ ♃	1 59	2 17	8 24	8 27
4	We	4 36	7 31	4	9 8	♑	1	1 3	⊕ in aphelion	2 40	2 59	8 59	9 1
5	Th	4 37	7 31	4	9 46	♑	14	1 55	Mars rises 0 42 M.	3 22	3 41	9 34	9 35
6	Fr	4 38	7 31	5	10 18	♑	27	2 46	☾ gr. libration E.	4 4	4 26	10 10	10 13
7	Sa	4 38	7 31	5	10 47	♒	10	3 35	Alphacca S. 8 29 A.	4 49	5 14	10 50	10 55
	28	*5th Sunday after Trinity.*							*Luke 5.*	*Day's length, 14 hours, 51 minutes.*			
8	Su	4 39	7 30	5	11 14	♒	23	4 23	Jupiter rises 0 28 M.	5 38	6 7	11 36	11 41
9	Mo	4 39	7 30	5	11 39	♓	7	5 10	♂ ♁ ☾	6 31	7 5	.....	0 27
10	Tu	4 40	7 30	5	morn	♓	21	5 57	10. ☿ stationary ☽	7 28	8 4	0 33	1 24
11	We	4 41	7 30	5	0 6	♈	5	6 46	♂ ♃ ☾ : ♂ ♂ ☾	8 28	9 3	1 32	2 28
12	Th	4 41	7 29	5	0 36	♈	19	7 38	☿ gr. hel. lat. S.	9 28	10 1	2 40	3 35
13	Fr	4 42	7 29	6	1 11	♉	4	8 34	☾ in ♌	10 25	10 57	3 56	4 42
14	Sa	4 42	7 28	6	1 52	♉	19	9 34	☾ in perigee	11 20	11 50	5 11	5 45
	29	*6th Sunday after Trinity.*							*Matthew 5.*	*Day's length, 14 hours, 45 minutes.*			
15	Su	4 43	7 28	6	2 43	♊	3	10 36	St. Swithin : ♂ ☿ ☾ ♌	.....	0 14	6 18	6 46
16	Mo	4 44	7 27	6	sets	♊	18	11 40	16. Antares S. 8 46 A.	0 42	1 5	7 19	7 41
17	Tu	4 45	7 26	6	8 21	♋	2	ev. 41	♂ ♀ ☾	1 33	1 55	8 16	8 34
18	We	4 46	7 26	6	9 1	♋	16	1 38	Saturn sets 1 52 M.	2 22	2 45	9 9	9 25
19	Th	4 47	7 25	6	9 34	♌	0	2 30	♂ ♆ ☾	3 9	3 33	10 1	10 14
20	Fr	4 48	7 24	6	10 1	♌	13	3 18	♀ in perihelion	3 57	4 23	10 50	11 1
21	Sa	4 49	7 23	6	10 26	♌	26	4 3	Vega S. 10 36 A.	4 44	5 13	11 38	11 47
	30	*7th Sunday after Trinity.*							*Mark 8.*	*Day's length, 14 hours, 33 minutes.*			
22	Su	4 50	7 23	6	10 49	♍	9	4 45	☉ enters ♌	5 33	6 5	.....	0 26
23	Mo	4 50	7 22	6	11 12	♍	21	5 26	Altair S. 11 41 A.	6 24	6 58	0 35	1 16
24	Tu	4 51	7 22	6	11 36	♎	3	6 8	24. Uranus rises 10 9 A.	7 17	7 52	1 23	2 5
25	We	4 52	7 21	6	morn	♎	15	6 50	St. James	8 11	8 46	2 15	2 55
26	Th	4 53	7 20	6	0 2	♎	27	7 34	☾ in apogee	9 5	9 38	3 9	3 46
27	Fr	4 54	7 19	6	0 31	♏	8	8 21	♂ ♭ ☾ : ☾ in ♉	9 58	10 29	4 6	4 36
28	Sa	4 54	7 18	6	1 6	♏	20	9 11	Markab S. 2 38 M.	10 48	11 18	5 1	5 23
	31	*8th Sunday after Trinity.*							*Matthew 7.*	*Day's length, 14 hours, 22 minutes.*			
29	Su	4 55	7 17	6	1 47	♐	2	10 3	Neptune sets 8 17 A.	11 37	.....	5 52	6 8
30	Mo	4 56	7 16	6	2 35	♐	15	10 56	Algenib S. 3 39 M. ☽	0 6	0 25	6 38	6 50
31	Tu	4 57	7 15	6	3 32	♐	27	11 49	☿ in ♌	0 51	1 9	7 20	7 28

MOON'S PHASES

JULY—31 DAYS

Eastern Standard Time

	d.	h.	m.	
Full Moon	2	9	48	A.
Last Quarter	10	7	16	M.
New Moon	16	11	35	A.
First Quarter	24	9	38	M.

The July Birthstone

THE RUBY

The glowing Ruby shall adorn
Those who in July are born;
Then they will be exempt and free
From Love's doubts and anxiety.

Some Notable Events of July

July 1, 1863—Battle of Gettysburg began.

July 1, 1898—Battle of El Caney, Cuba.

July 2, 1881—President Garfield assassinated.

July 3, 1844—First American treaty with China.

July 3, 1863—Pickett's charge at Gettysburg.

July 3, 1890—Idaho admitted into the Union.

July 3, 1898—Admiral Cervera's fleet destroyed in Santiago Harbor.

July 4, 1863—Vicksburg surrendered to Grant.

July 4, 1894—First road test of the automobile, Kokomo, Ill.

July 4, 1776—Declaration of Independence of American Colonies signed in Philadelphia.

July 4, 1872—Calvin Coolidge born at Plymouth, Vt.

July 6, 1747—John Paul Jones, American naval hero, born at Kirkbean, Scotland.

July 9, 1778—Articles of Confederation adopted by American Colonies.

July 11, 1767—John Quincy Adams, 6th President of the U. S., born at Braintree, Mass.

July 11, 1838—John Wanamaker born at Philadelphia.

July 11, 1890—Wyoming admitted to the Union.

July 16, 1790—District of Columbia established.

July 16, 1898—Santiago, Cuba, surrendered to Gen. Shafter.

July 21, 1861—Battle of Bull Run, Va.

July 24, 1847—Salt Lake City founded by Mormons. (Pioneer's Day in Utah).

July 30, 1718—William Penn died in England.

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
						Constel-			Morn.		Even.		Morn.		Even.	
Mon.	Week	Rises h. m.	Sets h. m.	Slow m.	Rises h. m.	lation c. d.	Souths h. m.		h. m.		h. m.		h. m.		h. m.	
1	We	4 58	7 14	6	7 45	♉ 10	morn	1. □ ♃ ☉	1	34	1	52	7	59	8	6
2	Th	4 59	7 13	6	8 21	♉ 23	0 41	☾ gr. libration E.	2	16	2	35	8	36	8	42
3	Fr	5 0	7 12	6	8 50	♒ 7	1 32	Venus sets 7 43 A.	2	58	3	18	9	13	9	18
4	Sa	5 1	7 11	6	9 17	♒ 20	2 21	☿ in perihelion	3	41	4	2	9	50	9	56
32		*9th Sunday after Trinity.*				*Luke 16.*		*Day's length, 14 hours, 8 minutes.*								
5	Su	5 2	7 10	6	9 44	♓ 4	3 8	♂ ♁ ☾	4	25	4	50	10	31	10	38
6	Mo	5 3	7 9	6	10 11	♓ 18	3 56	Vega S. 9 33 A.	5	13	5	42	11	15	11	24
7	Tu	5 3	7 7	6	10 40	♈ 2	4 44	Mars rises 11 35 A.	6	5	6	38	.....		0	5
8	We	5 4	7 6	5	11 12	♈ 16	5 34	8. ♂ ♃ ☾	7	3	7	39	0	15	1	2
9	Th	5 5	7 5	5	11 50	♉ 0	6 27	♂ ♂ ☾ : ☾ in ♌	8	5	8	41	1	16	2	6
10	Fr	5 6	7 4	5	morn	♉ 14	7 24	☾ in perigee	9	7	9	40	2	27	3	17
11	Sa	5 7	7 3	5	0 34	♉ 28	8 24	♀ gr. hel. lat. N.	10	6	10	39	3	50	4	29
33		*10th Sunday after Trinity.*				*Luke 19.*		*Day's length, 13 hours, 53 minutes.*								
12	Su	5 8	7 1	5	1 28	♊ 13	9 25	Jupiter rises 10 17 A. ♃	11	3	11	34	5	5	5	35
13	Mo	5 9	7 0	5	2 33	♊ 27	10 26	Altair S. 10 18 A.	11	58	.....		6	10	6	34
14	Tu	5 10	6 59	5	sets	♋ 11	11 25	☿ gr. hel. lat. N.	0	26	0	49	7	7	7	28
15	We	5 11	6 58	4	7 31	♋ 25	ev. 19	15. ♂ ☿ ☾ : ♂ Ψ ☾	1	15	1	38	8	0	8	18
16	Th	5 12	6 56	4	8 0	♌ 8	1 9	♂ ♀ ☾	2	2	2	24	8	49	9	4
17	Fr	5 13	6 55	4	8 27	♌ 21	1 55	♭ stationary	2	46	3	9	9	34	9	49
18	Sa	5 14	6 53	4	8 51	♍ 4	2 38	♂ ☿ Ψ	3	30	3	54	10	18	10	31
34		*11th Sunday after Trinity.*				*Luke 18.*		*Day's length, 13 hours, 37 minutes.*								
19	Su	5 15	6 52	3	9 13	♍ 17	3 21	Fomalhaut S. 1 4 M.	4	14	4	40	11	0	11	11
20	Mo	5 16	6 51	3	9 37	♍ 29	4 2	Saturn sets 11 36 A.	4	59	5	27	11	42	11	53
21	Tu	5 17	6 49	3	10 2	♎ 11	4 45	Markab S. 1 4 M.	5	46	6	18	.....		0	25
22	We	5 18	6 48	3	10 30	♎ 23	5 28	♂ Ψ ☉	6	37	7	10	0	35	1	9
23	Th	5 19	6 46	3	11 3	♏ 4	6 14	23. ☾ in ♉ : ☾ in apogee	7	31	8	6	1	24	2	0
24	Fr	5 20	6 45	2	11 41	♏ 16	7 2	St. Bartholomew : ♂ ♭ ☾	8	28	9	1	2	22	2	55
25	Sa	5 21	6 43	2	morn	♏ 28	7 53	Algenib S. 1 56 M.	9	23	9	55	3	25	3	51
35		*12th Sunday after Trinity.*				*Mark 7.*		*Day's length, 13 hours, 20 minutes.*								
26	Su	5 22	6 42	2	0 26	♐ 10	8 45	Uranus rises 7 57 A. ♅	10	16	10	47	4	25	4	44
27	Mo	5 22	6 40	1	1 19	♐ 23	9 39	Polaris S. 3 15 M.	11	7	11	36	5	19	5	33
28	Tu	5 23	6 39	1	2 19	♑ 6	10 32	Neptune rises 4 56 M.	11	56	.....		6	5	6	17
29	We	5 24	6 37	1	3 25	♑ 19	11 23	☾ gr. libration E.	0	23	0	42	6	48	7	0
30	Th	5 25	6 36	1	rises	♒ 2	morn	30. ♃ stationary	1	7	1	26	7	28	7	39
31	Fr	5 26	6 34	0	7 18	♒ 16	0 14	Achernar S. 2 58 M.	1	50	2	10	8	7	8	18

MOON'S PHASES

AUGUST—31 DAYS

Eastern Standard Time

	d.	h.	m.	
Full Moon	1	10	30	M.
Last Quarter	8	0	24	A.
New Moon	15	8	49	M.
First Quarter	23	3	21	M.
Full Moon	30	9	34	A.

The August Birthstone

THE PERIDOT

Wear a Peridot, or for thee
No conjugal felicity;
The August-born, without this stone,
'Tis said, must live unloved and lone.

Some Notable Events of August

August 1, 1876—Colorado admitted to the Union.

August 3, 1918—Soissons fell before Franco-American advance.

August 6, 1763—Battle of Bushy Run, Pa.

August 9, 1780—Francis Scott Key, who wrote the words of "The Star-Spangled Banner," born in Frederick County, Md.

August 10, 1821—Missouri admitted to the Union.

August 10, 1821—Jay Cooke, famous American financier, born.

August 11, 1807—Fulton's Steamboat "Clermont" made her first trip up the Hudson River.

August 11, 1865—Gifford Pinchot, Forestry Commissioner in Roosevelt's Cabinet, and later Governor of Pennsylvania, born.

August 12, 1898—Armistice signed between U. S. and Spain.

August 13, 1898—Manila surrendered to U. S. troops.

August 15, 1769—Napoleon Bonaparte born at Corsica.

August 15, 1914—Panama Canal opened.

August 16, 1777—Battle of Bennington, Vt.

August 19, 1812—U. S. S. *Constitution* sank the *Guerrière.*

August 20, 1745—Francis Asbury, first Methodist Episcopal bishop in the U. S., born in Staffordsshire, England.

August 20, 1833—Benjamin Harrison, 23rd President of the United States, born at North Bend, O.

August 22, 1851—Yacht "America" won the famous cup at Cowes.

August 23, 1926—Rudolph Valentino, famous actor, died in New York City.

August 24, 1814—Washington, D. C. captured by the British; Capitol burned.

August 27, 1776—Battle of Long Island.

Days		Sun				Moon					Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
		Rises		Sets		Fast	Rises	Constellation		Souths		Morn.		Even.		Morn.		Even.	
Mon.	Week	h.	m.	h.	m.	m.	h.	m.	c.	d.	h. m.	h.	m.	h.	m.	h.	m.	h.	m.
1	Sa	5	27	6	33	0	7	46	♈	0,	1 3	☌ ♁ ☾	2	33	2	53	8	46	8	57
	36	*13th Sunday after Trinity.*									*Luke 10.*	*Day's length, 13 hours, 3 minutes.*							
2	Su	5	28	6	31	0	8	13	♈	14	1 51	Altair S. 8 59 A.	3	17	3	38	9	26	9	38
3	Mo	5	29	6	30	1	8	41	♈	28	2 40	Venus sets 7 14 A.	4	2	4	26	10	8	10	22
4	Tu	5	30	6	28	1	9	12	♈	13	3 31	☌ ☌ ☾ : ☾ in perigee	4	50	5	17	10	55	11	11
5	We	5	31	6	27	1	9	48	♈	27	4 23	□ ♄ ☉ : ☾ in ♌	5	43	6	15	11	46	.....	
6	Th	5	32	6	25	2	10	30	♉	11	5 19	6. ☌ ♂ ☾	6	42	7	16	0	7	0	45
7	Fr	5	33	6	24	2	11	21	♉	25	6 18	☿ in ♍	7	45	8	20	1	15	1	55
8	Sa	5	34	6	22	2	morn		♊	9	7 18	Mars rises 10 35 A. ♌	8	50	9	23	2	36	3	10
	37	*14th Sunday after Trinity.*									*Luke 17.*	*Day's length, 12 hours, 45 minutes.*							
9	Su	5	35	6	20	3	0	21	♊	23	8 18	Jupiter rises 8 28 A.	9	51	10	22	3	53	4	22
10	Mo	5	36	6	19	3	1	28	♋	7	9 16	☌ ☿ ♀	10	49	11	17	5	1	5	25
11	Tu	5	36	6	17	3	2	38	♋	20	10 11	Saturn sets 10 10 A.	11	42	.....		6	0	6	20
12	We	5	37	6	16	4	3	47	♌	4	11 1	☌ ♆ ☾	0	8	0	32	6	50	7	10
13	Th	5	38	6	14	4	sets		♌	17	11 48	13. □ ☌ ☉	0	56	1	18	7	38	7	56
14	Fr	5	39	6	12	5	6	52	♍	0	ev. 32	Fomalhaut S. 11 18 A.	1	40	2	2	8	22	8	39
15	Sa	5	40	6	10	5	7	16	♍	12	1 15	☌ ♀ ☾ : ☌ ☿ ☾	2	22	2	44	9	2	9	18
	38	*15th Sunday after Trinity.*									*Matthew 6.*	*Day's length, 12 hours, 28 minutes.*							
16	Su	5	41	6	9	5	7	39	♍	25	1 57	Markab S. 11 18 A.	3	3	3	25	9	41	9	56
17	Mo	5	42	6	7	6	8	3	♎	7	2 39	☿ in aphelion	3	43	4	7	10	17	10	33
18	Tu	5	43	6	5	6	8	29	♎	19	3 22	Algenib S. 0 22 M.	4	26	4	51	10	53	11	9
19	We	5	44	6	3	6	8	59	♏	1	4 7	☾ in ♉ : ☾ in apogee	5	10	5	38	11	29	11	50
20	Th	5	45	6	2	7	9	34	♏	12	4 54	☌ ♄ ☾	5	59	6	30	.....		0	8
21	Fr	5	46	6	0	7	10	17	♏	24	5 44	21. St. Matthew	6	53	7	25	0	37	0	57
22	Sa	5	47	5	59	7	11	7	♐	6	6 35	Achernar S. 1 32 M. ♋	7	50	8	23	1	37	1	57
	39	*16th Sunday after Trinity.*									*Luke 7.*	*Day's length, 12 hours, 9 minutes.*							
23	Su	5	48	5	57	8	morn		♐	18	7 27	☉ enters ♎, Autumn begins	8	49	9	19	2	47	3	1
24	Mo	5	49	5	55	8	0	4	♑	1	8 20	Uranus rises 5 59 A.	9	45	10	13	3	50	4	2
25	Tu	5	50	5	54	8	1	6	♑	14	9 11	☾ gr. libration E.	10	37	11	4	4	45	4	55
26	We	5	51	5	52	9	2	12	♑	27	10 2	Hamel S. 1 44 M.	11	26	11	52	5	30	5	42
27	Th	5	52	5	51	9	3	21	♒	11	10 52	Neptune rises 3 4 M.	.....		0	14	6	13	6	25
28	Fr	5	53	5	49	9	4	34	♒	25	11 41	☍ ♁ ☉	0	39	1	0	6	55	7	9
29	Sa	5	54	5	47	10	rises		♈	9	morn	29. Michaelmas Day	1	23	1	44	7	37	7	51
	40	*17th Sunday after Trinity.*									*Luke 14.*	*Day's length, 11 hours, 50 minutes.*							
30	Su	5	55	5	45	10	6	40	♈	24	0 31	☌ ☿ ♀	2	8	2	29	8	18	8	34

MOON'S PHASES

SEPTEMBER—30 DAYS

Eastern Standard Time

	d.	h.	m.	
☾ Last Quarter	6	5	35	A.
● New Moon	13	8	21	A.
☽ First Quarter	21	9	58	A.
○ Full Moon	29	7	42	M.

The September Birthstone

THE SAPPHIRE

A maiden born when Autumn leaves
Are rustling in September's breeze,
A Sapphire on the brow should bind;
'Twill cure diseases of the mind.

Some Notable Events of September

September 3, 1783—Treaty of peace between U. S. and England signed at Paris.

September 6, 1901—President McKinley assassinated at Buffalo Exposition.

September 7, 1774—First Continental Congress began sessions at Philadelphia.

September 9, 1850—California admitted to the Union.

September 10, 1846—Elias Howe patented the sewing-machine.

September 11, 1777—Battle of the Brandywine.

September 12, 1918—First American Army began the St. Mihiel offensive.

September 14, 1901—President McKinley died; President Roosevelt took the oath of office.

September 17, 1787—Final draft of the U. S. Constitution approved by Federal convention at Philadelphia.

September 17, 1862—Battle of Antietam, Md.

September 19, 1796—Washington's "Farewell Address" issued.

September 19, 1881—President Garfield died at Elberon, N. J.

September 20, 1777—Paoli Massacre, Paoli, Pa.

September 22, 1776—Nathan Hale executed by the British as a spy.

September 23, 1779—John Paul Jones, in the *Bonhomme Richard,* captured the *Serapis.*

September 25, 1513—Balboa discovered the Pacific Ocean.

September 26, 1777—British troops entered Philadelphia.

September 26, 1918—First American Army began the Meuse-Argonne offensive.

September 27, 1785 — Protestant Episcopal Church of the United States of America organized at Philadelphia.

Days		Sun				Moon						Aspects of Planets, etc.	High Tide Philadelphia				High Tide New York (St. Time)			
		Rises		Sets		Fast	Rises		Constellation		Souths			Morn.		Even.		Morn.		Even.	
Mon.	Week	h.	m.	h.	m.	m.	h.	m.	c.	d.	h.	m.		h.	m.	h.	m.	h.	m.	h.	m.
1	Mo	5	56	5	44	10	7	11	♈	8	1	22	☌ ☽ : ☽ in perigee	2	53	3	15	9	0	9	20
2	Tu	5	57	5	42	11	7	46	♈	23	2	16	Fomalhaut S. 10 7 A.	3	39	4	3	9	46	10	9
3	We	5	58	5	40	11	8	27	♉	7	3	12	☽ in ♋	4	29	4	55	10	36	11	4
4	Th	5	59	5	38	11	9	16	♉	22	4	11	☌ in ♋	5	23	5	53	11	31	.....	
5	Fr	6	0	5	37	12	10	14	♊	6	5	12	☌ ☌ ☽ ♌	6	23	6	55	0	8	0	37
6	Sa	6	1	5	35	12	11	20	♊	20	6	13	6. ☿ in ♍	7	27	8	0	1	24	1	51
	41	*18th Sunday after Trinity.*											*Matthew 22.*	*Day's length, 11 hours, 32 minutes.*							
7	Su	6	2	5	34	12	morn		♋	4	7	12	☿ gr. hel. lat. S.	8	32	9	4	2	41	3	5
8	Mo	6	3	5	32	12	0	28	♋	17	8	7	Markab S. 9 51 A.	9	35	10	3	3	50	4	11
9	Tu	6	4	5	31	13	1	38	♌	0	8	58	☌ ♆ ☽	10	33	10	57	4	51	5	9
10	We	6	5	5	29	13	2	45	♌	13	9	45	Venus sets 6 35 A.	11	25	11	47	5	43	6	1
11	Th	6	6	5	28	13	3	50	♌	26	10	29	Mars rises 9 25 A.	.....		0	13	6	29	6	47
12	Fr	6	7	5	26	14	4	54	♍	9	11	12	☿ stationary	0	33	0	57	7	12	7	29
13	Sa	6	8	5	25	14	sets		♍	21	11	53	13. Algenib S. 10 40 A.	1	15	1	38	7	50	8	8
	42	*19th Sunday after Trinity.*											*Matthew 9.*	*Day's length, 11 hours, 14 minutes.*							
14	Su	6	9	5	23	14	6	5	♎	3	ev.	35	☌ ☿ ☽	1	56	2	18	8	26	8	44
15	Mo	6	10	5	22	14	6	30	♎	15	1	18	☌ ♀ ☽	2	36	2	57	9	0	9	21
16	Tu	6	11	5	20	14	6	58	♎	27	2	2	☽ in ♉	3	15	3	37	9	32	9	54
17	We	6	13	5	19	15	7	32	♏	9	2	48	☾ in apogee	3	56	4	18	10	3	10	29
18	Th	6	14	5	17	15	8	12	♏	21	3	37	St. Luke, Evangelist	4	38	5	2	10	36	11	6
19	Fr	6	15	5	16	15	8	57	♐	2	4	27	Jupiter rises 5 42 A.	5	25	5	52	11	14	11	52
20	Sa	6	16	5	14	15	9	50	♐	14	5	18	Saturn sets 7 47 A.	6	17	6	46	.....		0	2
	43	*20th Sunday after Trinity.*											*Matthew 22.*	*Day's length, 10 hours, 56 minutes.*							
21	Su	6	17	5	13	15	10	49	♐	26	6	10	21. Polaris S. 11 34 A.	7	15	7	44	0	52	0	59
22	Mo	6	18	5	11	15	11	53	♑	9	7	0	Uranus sets 4 21 M.	8	14	8	42	2	4	2	7
23	Tu	6	19	5	10	16	morn		♑	22	7	50	☉ enters ♏	9	11	9	38	3	8	3	11
24	We	6	20	5	9	16	1	0	♒	5	8	39	☌ ☿ ☉ inferior	10	6	10	31	4	3	4	9
25	Th	6	21	5	7	16	2	10	♒	19	9	28	Neptune rises 1 18 M.	10	57	11	21	4	52	5	1
26	Fr	6	22	5	6	16	3	21	♓	3	10	17	☌ ♁ ☽ : ☿ in ♋	11	46	.....		5	38	5	50
27	Sa	6	23	5	4	16	4	33	♓	17	11	8	Achernar S. 11 10 A.	0	9	0	33	6	22	6	38
	44	*21st Sunday after Trinity.*											*John 4.*	*Day's length, 10 hours, 39 minutes.*							
28	Su	6	24	5	3	16	rises		♈	2	morn		28. St. Simon and St. Jude	0	56	1	19	7	6	7	25
29	Mo	6	25	5	2	16	5	40	♈	17	0	1	☽ in perigee	1	43	2	6	7	51	8	14
30	Tu	6	26	5	1	16	6	20	♉	2	0	58	☽ in ♋	2	29	2	53	8	39	9	5
31	We	6	28	4	59	16	7	8	♉	17	1	58	Hallowe'en : ☿ in perihelion	3	17	3	43	9	28	10	0

MOON'S PHASES

OCTOBER—31 DAYS

Eastern Standard Time

	d.	h.	m.	
☾ Last Quarter	6	0	6	M.
● New Moon	13	10	56	M.
☽ First Quarter	21	4	6	A.
○ Full Moon	28	5	45	A.

The October Birthstone

THE OPAL

October's child is born for woe,
And Life's vicissitudes must know;
But lay an Opal on her breast,
And hope will lull these woes to rest.

Some Notable Events of October

October 1, 1918—St. Quentin captured by the French.

October 2, 1729—The Pennsylvania Gazette first issued.

October 4, 1777—Battle of Germantown.

October 8, 1838—John Hay, author and statesman, and secretary to President Lincoln, born.

October 8, 1871—Great fire in Chicago.

October 12, 1492—Columbus discovered America: Columbus Day.

October 14, 1644—William Penn born.

October 18, 1859—John Brown captured at Harper's Ferry, Va.

October 18, 1898—Porto Rico formally taken over by U. S.

October 19, 1735—John Adams, 2nd President of the U. S., born at Braintree, Mass.

October 19, 1781—Lord Cornwallis surrendered to Washington at Yorktown.

October 20, 1774—First Continental Congress adopted Articles of Association.

October 22, 1777—Battle of Red Bank, N. J.

October 24, 1791—Second U. S. Congress met in Philadelphia.

October 25, 1415—Battle of Agincourt.

October 26, 1825—Erie Canal completed.

October 26, 1918—Austria sues for peace.

October 27, 1682—William Penn arrived at New Castle on the Delaware, in the Ship "Welcome."

October 27, 1858—Theodore Roosevelt born at New York City.

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia		High Tide New York (St. Time)	
Mon.	Week	Rises h. m.	Sets h. m.	Fast m.	Rises h. m.	Constellation c. d.	Souths h. m.		Morn. h. m.	Even. h. m.	Morn. h. m.	Even. h. m.
1	Th	6 29	4 58	16	8 4	♊ 2	3 1	All Saints' Day ☊	4 9	4 36	10 21	11 2
2	Fr	6 30	4 57	16	9 9	♊ 16	4 4	Algenib S. 9 21 A.	5 3	5 32	11 22	.....
3	Sa	6 31	4 56	16	10 18	♋ 0	5 6	Venus sets 6 32 A.	6 3	6 33	0 10	0 31
	45	*22nd Sunday after Trinity.*			*Matthew 18.*			*Day's length, 10 hours, 23 minutes.*				
4	Su	6 32	4 55	16	11 27	♋ 14	6 3	4. Polaris S. 10 39 A.	7 7	7 36	1 24	1 43
5	Mo	6 34	4 53	16	morn	♋ 27	6 55	☌ ♆ ☾	8 12	8 38	2 34	2 52
6	Tu	6 35	4 52	16	0 36	♌ 10	7 43	☌ ♀ ♄	9 14	9 37	3 38	3 54
7	We	6 36	4 51	16	1 42	♌ 23	8 28	Achernar S. 10 27 A.	10 11	10 30	4 33	4 49
8	Th	6 37	4 50	16	2 45	♍ 5	9 11	Mars rises 7 56 A.	11 2	11 20	5 22	5 37
9	Fr	6 38	4 49	16	3 47	♍ 18	9 52	♀ in aphelion	11 49	.....	6 4	6 21
10	Sa	6 40	4 49	16	4 47	♎ 0	10 33	☌ ☿ ☾ : ☿ gr. hel. lat. N.	0 6	0 32	6 43	7 1
	46	*23rd Sunday after Trinity.*			*Matthew 22.*			*Day's length, 10 hours, 7 minutes.*				
11	Su	6 41	4 48	16	5 48	♎ 12	11 15	Hamel S. 10 39 A.	0 48	1 13	7 19	7 39
12	Mo	6 42	4 47	16	sets	♎ 24	11 59	12. ☌ stationary	1 29	1 52	7 53	8 15
13	Tu	6 43	4 46	16	5 32	♏ 6	ev. 44	☾ in ♉	2 9	2 32	8 25	8 49
14	We	6 44	4 45	15	6 8	♏ 17	1 32	☌ ♄ ☾ : ☾ in apogee	2 49	3 11	8 55	9 23
15	Th	6 46	4 44	15	6 52	♏ 29	2 22	☌ ♀ ☾	3 29	3 51	9 26	9 56
16	Fr	6 47	4 43	15	7 43	♐ 11	3 12	Jupiter sets 5 5 M.	4 11	4 33	9 58	10 34
17	Sa	6 48	4 42	15	8 40	♐ 23	4 3	Saturn sets 6 7 A. ☋	4 55	5 19	10 37	11 18
	47	*24th Sunday after Trinity.*			*Matthew 9.*			*Day's length, 9 hours, 52 minutes.*				
18	Su	6 49	4 41	15	9 40	♑ 5	4 54	Algol S. 11 12 A.	5 45	6 11	11 22	.....
19	Mo	6 50	4 41	14	10 44	♑ 17	5 43	Uranus sets 2 27 M.	6 40	7 6	0 13	0 16
20	Tu	6 51	4 40	14	11 51	♒ 0	6 30	20. Aldebaran S. 0 36 M.	7 38	8 4	1 18	1 15
21	We	6 52	4 40	14	morn	♒ 13	7 17	☾ gr. libration E.	8 37	9 2	2 22	2 20
22	Th	6 53	4 39	14	0 59	♒ 27	8 4	☌ ♂ ☾ : ☉ enters ♐	9 33	9 57	3 20	3 23
23	Fr	6 54	4 38	13	2 8	♓ 11	8 53	□ ♆ ☉	10 26	10 50	4 13	4 23
24	Sa	6 55	4 38	13	3 20	♓ 25	9 43	☌ ♃ ☾	11 18	11 41	5 4	5 19
	48	*25th Sunday after Trinity.*			*John 6.*			*Day's length, 9 hours, 40 minutes.*				
25	Su	6 57	4 37	13	4 36	♈ 10	10 38	Rigel S. 0 55 M.	.....	0 7	5 53	6 13
26	Mo	6 58	4 37	13	5 54	♈ 25	11 37	☾ in ♋	0 31	0 56	6 41	7 6
27	Tu	6 59	4 36	12	rises	♉ 10	morn	27. ☾ in perigee	1 19	1 44	7 31	7 59
28	We	7 0	4 36	12	5 46	♉ 25	0 40	Neptune rises 11 2 A.	2 8	2 34	8 23	8 56
29	Th	7 1	4 36	12	6 51	♊ 10	1 46	☌ ♂ ☾ ☊	2 58	3 24	9 16	9 53
30	Fr	7 2	4 35	11	8 2	♊ 25	2 51	St. Andrew	3 50	4 16	10 11	10 55

MOON'S PHASES

NOVEMBER—30 DAYS

Eastern Standard Time

	d.	h.	m.	
☾ Last Quarter	4	9	6	M.
● New Moon	12	4	35	M.
☽ First Quarter	20	8	36	M.
○ Full Moon	27	4	5	M.

The November Birthstone

THE TOPAZ

Who first comes to this world below,
With drear November's fog and snow,
Should prize the Topaz' amber hue,
Emblem of friends and lovers true.

Some Notable Events of November

November 1, 1765—The Stamp Act became effective.

November 1, 1805—Lewis and Clark Expedition reached Pacific tidewater.

November 2, 1783 — Washington bade farewell to the Continental army.

November 2, 1889 — North and South Dakota admitted to the Union.

November 8, 1887 — Gramophone patent issued to Berliner.

November 8, 1889—Montana admitted to the Union.

November 11, 1918—Armistice Day.

November 11, 1889—Washington admitted to the Union.

November 13, 1854—John Drew born at Philadelphia.

November 15, 1777—Articles of Confederation adopted, by American Colonies.

November 15, 1806—Pike's Peak discovered.

November 16, 1777—Fort Mifflin, Pa., on the Delaware River, captured by the British.

November 18, 1905—Panama Canal treaty with Republic of Panama signed.

November 19, 1831—James A. Garfield, 20th President of the United States, born at Orange, Ohio.

November 19, 1863—National Cemetery at Gettysburg dedicated (Lincoln's noted address).

November 21, 1800—Congress met in Washington, D. C., for the first time.

November 23, 1804 — Franklin Pierce, 14th President of the U. S. born at Hillsborough, N. H.

November 24, 1832—South Carolina adopts Nullification resolution.

November 24, 1863—Battle of Lookout Mountain.

November 25, 1837—Andrew Carnegie born at Dumferline, Mass.

November 29, 1832—Louisa M. Alcott, author of "Little Women," born at Germantown, Pa.

Days		Sun			Moon			Aspects of Planets, etc.	High Tide Philadelphia		High Tide New York (St. Time)	
Mon.	Week	Rises h. m.	Sets h. m.	Fast m.	Rises h. m.	Constellation c.	Constellation d.	Souths h. m.		Morn. h. m.	Even. h. m.	Morn. h. m.	Even. h. m.
1	Sa	7 3	4 35	11	9 15	♋	9	3 52	Polaris S. 8 53 A.	4 44	5 11	11 11	.....
	49	*1st Sunday in Advent.*							*Matthew 21.*	*Day's length, 9 hours, 31 minutes.*			
2	Su	7 4	4 35	10	10 25	♌	23	4 49	☿ gr. hel. lat. S.	5 42	6 8	0 1	0 16
3	Mo	7 5	4 35	10	11 34	♌	7	5 40	3. ☾ gr. libration W.	6 43	7 8	1 8	1 23
4	Tu	7 6	4 35	10	morn	♌	20	6 27	♆ stationary	7 45	8 8	2 14	2 27
5	We	7 7	4 34	9	0 38	♍	2	7 10	Venus sets 7 18 A.	8 45	9 4	3 13	3 27
6	Th	7 8	4 34	9	1 40	♍	15	7 52	St. Nicholas	9 41	9 59	4 7	4 21
7	Fr	7 9	4 34	8	2 40	♍	27	8 33	Hamel S. 8 57 A.	10 32	10 48	4 54	5 10
8	Sa	7 10	4 34	8	3 41	♎	9	9 14	Mars rises 5 29 A.	11 20	11 35	5 37	5 54
	50	*2nd Sunday in Advent.*							*Luke 21.*	*Day's length, 9 hours, 23 minutes.*			
9	Su	7 11	4 34	8	4 42	♎	21	9 57	Algol S. 9 49 A.	.....	0 4	6 15	6 35
10	Mo	7 11	4 34	7	5 43	♏	3	10 42	☾ in ♉	0 21	0 47	6 51	7 14
11	Tu	7 12	4 34	7	sets	♏	14	11 29	☌ ☿ ☾ : ☾ in apogee	1 4	1 28	7 25	7 50
12	We	7 13	4 34	6	4 50	♏	26	ev. 18	12. ☌ ♄ ☾	1 47	2 8	7 59	8 26
13	Th	7 14	4 34	6	5 38	♐	8	1 8	♁ stationary : ☌ ♄ ☉ ♋	2 26	2 48	8 31	9 0
14	Fr	7 15	4 35	5	6 33	♐	20	1 59	☿ in aphelion	3 6	3 28	9 1	9 33
15	Sa	7 15	4 35	5	7 33	♑	2	2 50	☌ nearest ⊕ : ☌ ♀ ☾	3 47	4 9	9 33	10 8
	51	*3rd Sunday in Advent.*							*Matthew 11.*	*Day's length, 9 hours, 20 minutes.*			
16	Su	7 16	4 36	4	8 36	♑	14	3 39	Aldebaran S. 10 50 A.	4 30	4 52	10 9	10 49
17	Mo	7 17	4 36	4	9 40	♑	27	4 26	Jupiter sets 2 51 M.	5 17	5 39	10 51	11 37
18	Tu	7 17	4 36	3	10 45	♒	9	5 12	☌ ☿ ☉ superior	6 8	6 31	11 39	.....
19	We	7 18	4 37	3	11 51	♒	22	5 58	19. ☌ gr. libration E.	7 5	7 28	0 32	0 34
20	Th	7 18	4 37	2	morn	♓	6	6 44	☌ ♁ ☾	8 3	8 26	1 33	1 35
21	Fr	7 19	4 38	2	1 0	♓	20	7 31	☉ enters ♑, Winter begins	9 1	9 24	2 35	2 41
22	Sa	7 19	4 38	1	2 11	♈	4	8 21	☌ ♃ ☾	9 57	10 20	3 36	3 49
	52	*4th Sunday in Advent.*							*John 1.*	*Day's length, 9 hours, 20 minutes.*			
23	Su	7 19	4 39	1	3 25	♈	18	9 16	Saturn rises 6 40 M.	10 51	11 15	4 35	4 54
24	Mo	7 20	4 39	0	4 42	♉	3	10 16	☾ in ♌	11 44	.....	5 31	5 55
25	Tu	7 20	4 40	slow	6 1	♉	18	11 20	Christmas Day	0 7	0 35	6 25	6 53
26	We	7 21	4 40	1	rises	♊	3	morn	26. St. Stephen : ☌ ♂ ☾ ♌	0 59	1 27	7 19	7 50
27	Th	7 21	4 41	1	5 36	♊	18	0 27	St. John, Evangelist	1 49	2 16	8 12	8 47
28	Fr	7 21	4 42	2	6 51	♋	3	1 32	Innocents	2 40	3 6	9 5	9 42
29	Sa	7 22	4 42	2	8 5	♋	18	2 34	Uranus sets 11 46 A.	3 31	3 56	9 59	10 40
	53	*Sunday after Christmas.*							*Matthew 1.*	*Day's length, 9 hours, 21 minutes.*			
30	Su	7 22	4 43	3	9 17	♌	2	3 29	☌ ♆ ☾	4 23	4 48	10 54	11 39
31	Mo	7 23	4 43	3	10 26	♌	16	4 19	Neptune rises 8 52 A.	5 18	5 41	11 52	.....

MOON'S PHASES

DECEMBER—31 DAYS

Eastern Standard Time

	d.	h.	m.	
☾ Last Quarter	3	9	51	A.
● New Moon	12	0	6	M.
☽ First Quarter	19	10	43	A.
○ Full Moon	26	2	55	A.

The December Birthstone

THE TURQUOISE

If cold December gave you birth,
The month of snow and ice and mirth,
Place in your hand a Turquoise blue;
Success will bless whate'er you do.

Some Notable Events of December

December 2, 1823—"Monroe Doctrine" enunciated by President Monroe.

December 2, 1859—John Brown, abolitionist, hanged.

December 3, 1818—Illinois admitted to the Union.

December 4, 1682—First Pennsylvania Assembly met at Chester, Pa.

December 4, 1833—American Anti-Slavery Society formed at Philadelphia.

December 5, 1917—Committee on Foreign Affairs of United States House of Representatives voted unanimously that a state of war existed between the United States and Austria-Hungary.

December 10, 1817—Mississippi admitted to the Union.

December 10, 1852—Pennsylvania R. R. of America opened all-rail route to Pittsburg.

December 10, 1898—Peace Treaty of U. S. with Spain.

December 11, 1816—Indiana admitted into the Union.

December 13, 1863—Battle of Fredericksburg, Va.

December 14, 1799—George Washington died at Mt. Vernon, Va.

December 14, 1819—Alabama admitted into the Union.

December 16, 1773—"Boston Tea Party" took place in Boston Harbor.

December 21, 1620—"Mayflower" Pilgrims landed at Plymouth Rock (old style date, Dec. 11th).

December 24, 1814 — Treaty of Ghent.

December 27, 1862—Union League organized, Philadelphia.

December 28, 1846—Iowa admitted to the Union.

December 28, 1856—Woodrow Wilson born at Staunton, Va.

December 29, 1845—Texas admitted to the Union.

LEGAL HOLIDAYS

As Observed in the Various States

January 1.—New Year's Day: In all the States, Territories, District of Columbia and Colonial possessions.

January 8.—Anniversary of the Battle of New Orleans: In Louisiana.

January 19.—Lee's Birthday; in Ala., Ark., Fla., Ga., Miss., N. C., S. C. and Tenn.

January 19.—Lee-Jackson Day: In Virginia.

February 12.—Georgia Day: in Georgia. (Observed by public schools. Holiday only when so declared by Governor).

February 12.—Lincoln's Birthday: In Alaska., Cal., Col., Conn., Del., Ill., Ind., Ia., Kan., Ky., Mich., Minn., Mo., Mont., Neb., Nev., N. J., N. Y., N. Dak., Ohio, Ore., (school and court holiday), Penn., S. Dak., Tenn., Utah, Virgin Islds., Wash., W. Va. and Wyo.

February 14.—Admission Day: In Arizona.

February 21.—Mardi Gras (Shrove Tuesday): In Ala., Fla. (in counties having a Carnival Association) and La. (in the Parish of Orleans).

February 22.—Washington's Birthday: In all the States, Territories, District of Columbia and Colonial possessions.

March 2.—Sam Houston Memorial Day: In Texas.

March 3 or 5.—Pennsylvania Day: In Pennsylvania. (Observed by public schools; by proclamation of Governor).

March 22.—Emancipation Day: In Porto Rico.

March 25.—Maryland Day: In Maryland.

March 30.—Seward Day: In Alaska.

April 5.—Maundy Thursday: In Philip. Islands and Virgin Islands.

April 6.—Good Friday: In Conn., Del., Fla., La., Md., Minn., N. J., Penn., Philip. Is., Porto Rico, S. C., (City of Charleston only), and Virgin Is.

April 9.—Easter Monday: In Virgin Is.

April 12.—Halifax Independence Resolutions: In North Carolina.

April 13.—Thomas Jefferson's Birthday: In Alabama.

April 16.—De Diego's Birthday: In Porto Rico.

April 19.—Patriots' Day: In Maine and Massachusetts.

April 21.—Anniversary of the Battle of San Jacinto: In Texas.

April 26.—Memorial Day: In Ala., Fla., Ga. and Miss.

April 26.—Fast Day (usually last Thursday; by proclamation): In New Hamp.

May 1.—Labor Day: In Philippine Islands.

May 10.—Confederate Memorial Day: In North Carolina and S. Carolina.

May 20.—Anniversary of the Signing of the Mecklenburg Declaration of Independence: In North Carolina.

May 28.—Whit Monday: In Virgin Islands.

Legal Holidays 1928—(Continued)

May 30.—Memorial Day: In all the States, Territories, District of Columbia and Colonial possessions except Ala., Ark., Fla., Ga., La., Miss., N. C., S. C. and Texas.

June 3.—Jefferson Davis' Birthday: In Ala., Ark., Fla., Ga., Miss., S. C., Tex. and Virginia.

June 3.—Confederate Memorial Day: In Louisiana and Tennessee.

June 11.—Kamehameha Day: In Hawaii.

June 15.—Pioneer Day: In Idaho.

June 17.—Bunker Hill Day: In Boston. (Not a legal holiday, but banks close by mutual agreement).

July 4.—Independence Day: In all the States, Territories, District of Columbia and Colonial possessions.

July 13.—Forrest's Birthday: In Tennessee.

July 17.—Muñoz Rivera Day: In Porto Rico.

July 24.—Pioneer Day: In Utah.

July 25.—Occupation Day: In Porto Rico.

July 25.—Supplication Day: In Virgin Islands.

July 27.—Birthday of José Celso Barbosa: In Porto Rico.

August 1.—Colorado Day: In Colorado.

August 13.—Occupation Day: In Philippine Islands.

August 16.—Bennington Battle Day: In Vermont.

September 3.—Labor Day: In all the States, Territories, District of Columbia and Colonial possessions, except Wyoming and Philippine Islands. In Wyoming by proclamation of the Governor.

September 9.—Admission Day: In California.

September 12.—Defenders' Day: In Maryland.

September 15.—Regatta Day (3d Saturday): In Hawaii.

October 9.—Fraternal Day (2d Tuesday): In Alabama.

October 12.—Columbus Day: In Ala., Ariz., Cal., Col., Conn., Del., Idaho, Ill., Ind., Kan., Ky., La., Md., Mass., Mich., Mo., Mont., Neb., Nev., N. H., N. J., N. Mex., N. Y., N. Dak., Ohio, Ore., Penn., Porto Rico, R. I., Tex., Utah, Vt., Wash. and W. Va. School holiday in Maine.

October 12.—Farmers' Day (2d Friday): In Florida.

October 18.—Alaska Day: In Alaska.

October 25.—Thanksgiving Day: In Virgin Islands.

October 31.—Admission Day: In Nevada.

November 1.—All Saints' Day: In Louisiana.

November 6.—Election Day: In all the States, Territories and Colonial possessions except Ala., Conn., Ga., Ill., Ia., Kan., Ky., La., Me., Mass., Miss., N. Mex., Philippine Islands, Utah and Vt. In Illinois a holiday in Chicago, Springfield and a few other cities. In Ohio from 12 m. to 5.30 p. m.

November 11.—Armistice Day: In Ala., Ariz., Ark., Cal., Col., Del., Fla., Ga., Hawaii, Idaho, Ill., Kan., Ky., La., Me., Minn., Miss., Mo., Mont., Neb., Nev., N. J., N. Mex., N. C., N. Dak., Okla., Ore. (school holiday), Penn., R. I., S. Car., S. Dak., Tenn., Tex., Utah, Vt., Va. and Wyo. Md. and Wash. by proclamation of the Governor.

November 29.—Thanksgiving Day: In all the States, Territories, District of Columbia and Colonial possessions except Utah, where it is not a legal holiday but is always so observed.

November 30.—Bonifacio's Day: In Philippine Islands.

December 25.—Christmas Day: In all the States, Territories, District of Columbia and Colonial possessions.

December 26.—Second Christmas Day: In Virgin Islands.

December 28.—Woodrow Wilson's Birthday: In South Carolina.

December 30.—Rizal Day: In Philippine Islands.

Arbor Day is observed by the States on different days, usually in the Spring; in Georgia, in December. The dates in the same States often vary, from year to year, by proclamation.

Mother's Day is observed on the second Sunday in May.

Flag Day, June 14, is widely observed, but not as a legal holiday.

Saturday Afternoon is a holiday in many of the States and Cities and in the District of Columbia.

When a Holiday falls on a Sunday, the following day is generally observed.

This Is Leap Year

THE calendar year contains 365 days or 52 weeks and one day, and leap year, 366 days, or 52 weeks and two days.

This irregularity is explained by the fact that in the early days the calendar was roughly arranged by the moon and seasons.

Julius Caesar, in 46 B. C., planned a calendar of 365¼ days. By 1582, this arrangement had accumulated an error of ten full days, when Pope Gregory amputated the ten days and with the astronomer, Clavius, revised the Julian calendar, planning a flat year of 365 days, adding one day every four years, except that in the last year of each century, unless it was dividable by 400, when it also was a leap year, such as 1600, 2000, etc.

In this way the odd time is so disposed that it will not amount to one whole day more often than 3,000 years.

The Making of the Calendar

IN THE course of the year, men, since time immemorial, have marked four great events: The shortest day (the Winter solstice), the longest day (the Summer solstice), and the times halfway between, when the sun was above the horizon the same length of time as it was below the horizon (the Spring and Autumn equinoxes). Each of these four times has been regarded at different epochs as the beginning of the year. And yet so much sacredness was attached to the new moon that it has entered largely into the choosing of the exact day to be celebrated as the New Year's Day.

The Hebrew calendar dates the New Year from (about) the Autumn Equinox, the exact time varying with the relation of the new moon to the equinox. That is why they celebrate their holy days of the New Year in September, but not on the same days of the month in successive years. It is in just the same fashion that Easter is determined — the relation of the phases of the moon to the Spring equinox.

Where the Ocean Mines Coal

ON the beach of Buckhaven, Scotland, the sea piles up coal some two or three feet thick. From the town come men, women and children with buckets, boxes, bags and wheelbarrows to get the family supply.

The coal is actually mined by the sea. Ground-swells break away the seams outcropping in the Firth of Forth, and slowly carry the treasure to the shore. In stormy weather the product greatly increases.—*New York World.*

GENERAL MEMORANDA, JANUARY 1928

GENERAL MEMORANDA, JANUARY *(Cont'd)*

31 days past
334 to come

1928

WEDNESDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

32 days past
333 to come

THURSDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

33 days past
332 to come

FEBRUARY 1928

FRIDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

34 days past
331 to come

SATURDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

35 days past
330 to come

FEBRUARY 1928

SUNDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

36 days past
329 to come

MONDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

37 days past
328 to come

FEBRUARY 1928

TUESDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

38 days past
327 to come

WEDNESDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

39 days past
326 to come

FEBRUARY 1928

THURSDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

40 days past
325 to come

FRIDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

41 days past
324 to come

FEBRUARY 1928

SATURDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

42 days past
323 to come

SUNDAY 12

Lincoln's Birthday

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

43 days past
322 to come

FEBRUARY 1928

MONDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

44 days past
321 to come

TUESDAY 14

St. Valentine's Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

45 days past
320 to come

FEBRUARY 1928

WEDNESDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

46 days past
319 to come

THURSDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

47 days past
318 to come

FEBRUARY 1928

FRIDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

48 days past
317 to come

SATURDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

49 days past
316 to come

FEBRUARY 1928

SUNDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

50 days past
315 to come

MONDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

51 days past
314 to come

FEBRUARY 1928

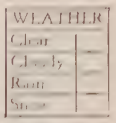
TUESDAY 21

52 days past
313 to come

WEDNESDAY 22

Washington's Birthday

Ash Wednesday



53 days past
312 to come

FEBRUARY 1928

THURSDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

54 days past
311 to come

FRIDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

55 days past
310 to come

FEBRUARY 1928

SATURDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

56 days past
309 to come

SUNDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

57 days past
308 to come

FEBRUARY 1928

MONDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

58 days past
307 to come

TUESDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

59 days past
306 to come

FEBRUARY 1928

WEDNESDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, FEBRUARY, 1928

GENERAL MEMORANDA, FEBRUARY—*(Cont'd)*

1928

60 days past
305 to come

THURSDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

61 days past
304 to come

FRIDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

62 days past
303 to come

MARCH 1928

SATURDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

63 days past
302 to come

SUNDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

64 days past
301 to come

MARCH 1928

MONDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

65 days past
300 to come

TUESDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

66 days past
299 to come

MARCH 1928

WEDNESDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

67 days past
298 to come

THURSDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

68 days past
297 to come

MARCH 1928

FRIDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

69 days past
296 to come

SATURDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

70 days past
295 to come

MARCH 1928

SUNDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

71 days past
294 to come

MONDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

72 days past
293 to come

MARCH 1928

TUESDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

73 days past
292 to come

WEDNESDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

74 days past
291 to come

MARCH 1928

THURSDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

75 days past
290 to come

FRIDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

76 days past
289 to come

MARCH 1928

SATURDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

77 days past
288 to come

SUNDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

78 days past
287 to come

MARCH 1928

MONDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

79 days past
286 to come

TUESDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

80 days past
285 to come

MARCH 1928

WEDNESDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

81 days past
284 to come

THURSDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

82 days past
283 to come

MARCH 1928

FRIDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

83 days past
282 to come

SATURDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

84 days past
281 to come

MARCH 1928

SUNDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

85 days past
280 to come

MONDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

86 days past
279 to come

MARCH 1928

TUESDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

87 days past
278 to come

WEDNESDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

88 days past
277 to come

MARCH 1928

THURSDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

89 days past
276 to come

FRIDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

90 days past
275 to come

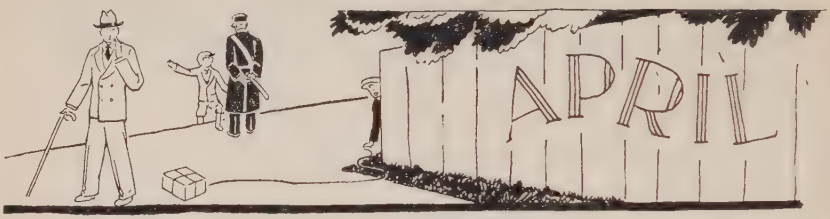
MARCH 1928

SATURDAY 31

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, MARCH, 1928

GENERAL MEMORANDA, MARCH—*(Continued)*



91 days past
274 to come

APRIL 1928

SUNDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

92 days past
273 to come

MONDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

93 days past
272 to come

APRIL 1928

TUESDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

94 days past
271 to come

WEDNESDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

95 days past
270 to come

APRIL 1928

THURSDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

96 days past
269 to come

FRIDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

97 days past
268 to come

APRIL 1928

SATURDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

98 days past
367 to come

SUNDAY 8

Easter Sunday

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

99 days past
266 to come

APRIL 1928

MONDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

100 days past
265 to come

TUESDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

101 days past
264 to come

APRIL 1928

WEDNESDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

102 days past
263 to come

THURSDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

103 days past
262 to come

APRIL 1928

FRIDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

104 days past
261 to come

SATURDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

105 days past
260 to come

APRIL 1928

SUNDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

106 days past
259 to come

MONDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

107 days past
258 to come

APRIL 1928

TUESDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

108 days past
257 to come

WEDNESDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

109 days past
256 to come

APRIL 1928

THURSDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

110 days past
255 to come

FRIDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

111 days past
254 to come

APRIL 1928

SATURDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

112 days past
253 to come

SUNDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

113 days past
252 to come

APRIL 1928

MONDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

114 days past
251 to come

TUESDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

115 days past
250 to come

APRIL 1928

WEDNESDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

116 days past
249 to come

THURSDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

117 days past
248 to come

APRIL 1928

FRIDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

118 days past
247 to come

SATURDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

119 days past
246 to come

APRIL 1928

SUNDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

120 days past
245 to come

MONDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, APRIL, 1928

GENERAL MEMORANDA, APRIL—*(Continued)*

149 days past
216 to come

MAY 1928

TUESDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

150 days past
215 to come

WEDNESDAY 30

Memorial Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

151 days past
214 to come

MAY 1928

THURSDAY 31

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, MAY, 1928

GENERAL MEMORANDA, MAY—*(Continued)*

1928

152 days past
213 to come

FRIDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

153 days past
212 to come

SATURDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

154 days past
211 to come

JUNE 1928

SUNDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

155 days past
210 to come

MONDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

156 days past
209 to come

JUNE 1928

TUESDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

157 days past
208 to come

WEDNESDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

158 days past
207 to come

JUNE 1928

THURSDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

159 days past
206 to come

FRIDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

160 days past
205 to come

JUNE 1928

SATURDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

161 days past
204 to come

SUNDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

162 days past
203 to come

JUNE 1928

MONDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

163 days past
202 to come

TUESDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

164 days past
201 to come

JUNE 1928

WEDNESDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

165 days past
200 to come

THURSDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

166 days past
199 to come

JUNE 1928

FRIDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

167 days past
198 to come

SATURDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

168 days past
197 to come

JUNE 1928

SUNDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

169 days past
196 to come

MONDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

170 days past
195 to come

JUNE 1928

TUESDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

171 days past
194 to come

WEDNESDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

172 days past
193 to come

JUNE 1928

THURSDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

173 days past
192 to come

FRIDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

174 days past
191 to come

JUNE 1928

SATURDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

175 days past
190 to come

SUNDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

176 days past
189 to come

JUNE 1928

MONDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

177 days past
188 to come

TUESDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

178 days past
187 to come

JUNE 1928

WEDNESDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

179 days past
186 to come

THURSDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

180 days past
185 to come

JUNE 1928

FRIDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

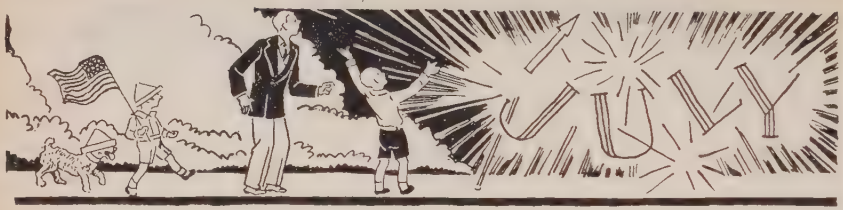
181 days past
184 to come

SATURDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, JUNE, 1928

GENERAL MEMORANDA, JUNE, 1928



1928

182 days past
183 to come

SUNDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

183 days past
182 to come

MONDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

184 days past
181 to come

JULY 1928

TUESDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

185 days past
180 to come

WEDNESDAY 4

Independence Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

186 days past
179 to come

JULY 1928

THURSDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

187 days past
178 to come

FRIDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

188 days past
177 to come

JULY 1928

SATURDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

189 days past
176 to come

SUNDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

190 days past
175 to come

JULY 1928

MONDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

191 days past
174 to come

TUESDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

192 days past
173 to come

JULY 1928

WEDNESDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

193 days past
172 to come

THURSDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

194 days past
171 to come

JULY 1928

FRIDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

195 days past
170 to come

SATURDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

196 days past
169 to come

JULY 1928

SUNDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

197 days past
168 to come

MONDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

198 days past
167 to come

JULY 1928

TUESDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

199 days past
166 to come

WEDNESDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

200 days past
165 to come

JULY 1928

THURSDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

201 days past
164 to come

FRIDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

202 days past
163 to come

JULY 1928

SATURDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

203 days past
162 to come

SUNDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

204 days past
161 to come

JULY 1928

MONDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

205 days past
160 to come

TUESDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

206 days past
159 to come

JULY 1928

WEDNESDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

207 days past
158 to come

THURSDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

208 days past
157 to come

JULY 1928

FRIDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

209 days past
156 to come

SATURDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

210 days past
155 to come

JULY 1928

SUNDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

211 days past
154 to come

MONDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

212 days past
153 to come

JULY 1928

TUESDAY 31

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, JULY, 1928

GENERAL MEMORANDA, JULY, 1928

1928

213 days past
152 to come

WEDNESDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

214 days past
151 to come

THURSDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

215 days past
150 to come

AUGUST 1928

FRIDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

216 days past
149 to come

SATURDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

217 days past
148 to come

AUGUST 1928

SUNDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

218 days past
147 to come

MONDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

219 days past
146 to come

AUGUST 1928

TUESDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

220 days past
145 to come

WEDNESDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

221 days past
144 to come

AUGUST 1928

THURSDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

222 days past
143 to come

FRIDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

223 days past
142 to come

AUGUST 1928

SATURDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

224 days past
141 to come

SUNDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

225 days past
140 to come

AUGUST 1928

MONDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

226 days past
139 to come

TUESDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

227 days past
138 to come

AUGUST 1928

WEDNESDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

228 days past
137 to come

THURSDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

229 days past
136 to come

AUGUST 1928

FRIDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

230 days past
135 to come

SATURDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

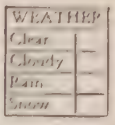
231 days past
134 to come

AUGUST 1928

SUNDAY 19

232 days past
133 to come

MONDAY 20



233 days past
132 to come

AUGUST 1928

TUESDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

234 days past
131 to come

WEDNESDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

235 days past
130 to come

AUGUST 1928

THURSDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

236 days past
129 to come

FRIDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

237 days past
128 to come

AUGUST 1928

SATURDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

238 days past
127 to come

SUNDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

239 days past
126 to come

AUGUST 1928

MONDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

240 days past
125 to come

TUESDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

241 days past
124 to come

AUGUST 1928

WEDNESDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

242 days past
123 to come

THURSDAY 30

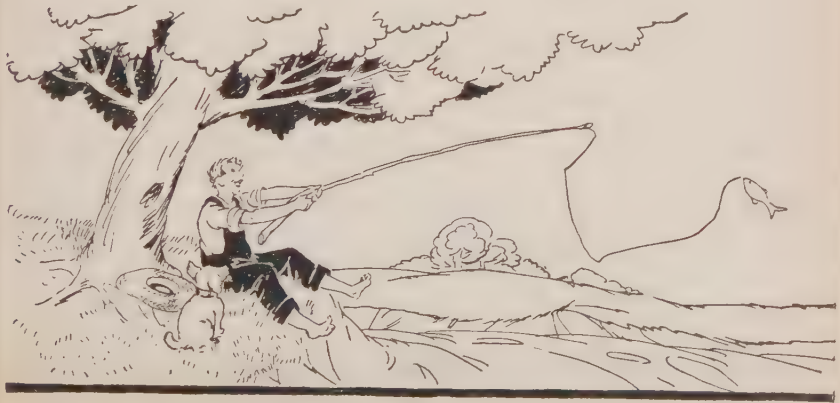
WEATHER	
Clear	
Cloudy	
Rain	
Snow	

243 days past
122 to come

AUGUST 1928

FRIDAY 31

WEATHER	
Clear	
Cloudy	
Rain	
Snow	



GENERAL MEMORANDA, AUGUST, 1928

GENERAL MEMORANDA, AUGUST, 1928

SEPTEMBER

1928

244 days past
121 to come

SATURDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

245 days past
120 to come

SUNDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

246 days past
119 to come

SEPTEMBER 1928

MONDAY 3

Labor Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

247 days past
118 to come

TUESDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

248 days past
117 to come

SEPTEMBER 1928

WEDNESDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

249 days past
116 to come

THURSDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

250 days past
115 to come

SEPTEMBER 1928

FRIDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

251 days past
114 to come

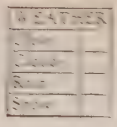
SATURDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

252 days past
113 to come

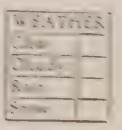
SEPTEMBER 1928

SUNDAY 9



253 days past
112 to come

MONDAY 10



254 days past
111 to come

SEPTEMBER 1928

TUESDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

255 days past
110 to come

WEDNESDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

256 days past
109 to come

SEPTEMBER 1928

THURSDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

257 days past
108 to come

FRIDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

258 days past
107 to come

SEPTEMBER 1928

SATURDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

259 days past
106 to come

SUNDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

260 days past
105 to come

SEPTEMBER 1928

MONDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

261 days past
104 to come

TUESDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

262 days past
103 to come

SEPTEMBER 1928

WEDNESDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

263 days past
102 to come

THURSDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

264 days past
101 to come

SEPTEMBER 1928

FRIDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

265 days past
100 to come

SATURDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

266 days past
99 to come

SEPTEMBER 1928

SUNDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

267 days past
98 to come

MONDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

268 days past
97 to come

SEPTEMBER 1928

TUESDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

269 days past
96 to come

WEDNESDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

270 days past
95 to come

SEPTEMBER 1928

THURSDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

271 days past
94 to come

FRIDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

272 days past
93 to come

SEPTEMBER 1928

SATURDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

273 days past
92 to come

SUNDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, SEPTEMBER, 1928

GENERAL MEMORANDA, SEPTEMBER—
(Continued)

1928

274 days past
91 to come

MONDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

275 days past
90 to come

TUESDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

276 days past
89 to come

OCTOBER 1928

WEDNESDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

277 days past
88 to come

THURSDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

278 days past
87 to come

OCTOBER 1928

FRIDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

279 days past
86 to come

SATURDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

280 days past
85 to come

OCTOBER 1928

SUNDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

281 days past
84 to come

MONDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

282 days past
83 to come

OCTOBER 1928

TUESDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

283 days past
82 to come

WEDNESDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

284 days past
81 to come

OCTOBER 1928

THURSDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

285 days past
80 to come

FRIDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

286 days past
79 to come

OCTOBER 1928

SATURDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

287 days past
78 to come

SUNDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

268 days past
77 to come

OCTOBER 1928

MONDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

289 days past
76 to come

TUESDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

290 days past
75 to come

OCTOBER 1928

WEDNESDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

291 days past
74 to come

THURSDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

292 days past
73 to come

OCTOBER 1928

FRIDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

293 days past
72 to come

SATURDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

294 days past
71 to come

OCTOBER 1928

SUNDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

295 days past
70 to come

MONDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

296 days past
69 to come

OCTOBER 1928

TUESDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

297 days past
68 to come

WEDNESDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

298 days past
67 to come

OCTOBER 1928

THURSDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

299 days past
66 to come

FRIDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

300 days past
65 to come

OCTOBER 1928

SATURDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

301 days past
64 to come

SUNDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

302 days past
63 to come

OCTOBER 1928

MONDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

303 days past
62 to come

TUESDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

304 days past
61 to come

OCTOBER 1928
WEDNESDAY 31
Hallowe'en

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, OCTOBER, 1928

GENERAL MEMORANDA, OCTOBER, 1928—
(Continued)

305 days past
60 to come

1928

THURSDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

306 days past
59 to come

FRIDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

307 days past
58 to come

NOVEMBER 1928

SATURDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

308 days past
57 to come

SUNDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

309 days past
56 to come

NOVEMBER 1928

MONDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

310 days past
55 to come

TUESDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

311 days past
54 to come

NOVEMBER 1928

WEDNESDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

312 days past
53 to come

THURSDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

313 days past
52 to come

NOVEMBER 1928

FRIDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

314 days past
51 to come

SATURDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

315 days past
50 to come

NOVEMBER 1928

SUNDAY 11

Armistice Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

316 days past
49 to come

MONDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

317 days past
48 to come

NOVEMBER 1928

TUESDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

318 days past
47 to come

WEDNESDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

319 days past
46 to come

NOVEMBER 1928

THURSDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

320 days past
45 to come

FRIDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

321 days past
44 to come

NOVEMBER 1928

SATURDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

322 days past
43 to come

SUNDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

323 days past
42 to come

NOVEMBER 1928

MONDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

324 days past
41 to come

TUESDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

325 days past
40 to come

NOVEMBER 1928

WEDNESDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

326 days past
39 to come

THURSDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

327 days past
38 to come

NOVEMBER 1928

FRIDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

328 days past
37 to come

SATURDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

329 days past
36 to come

NOVEMBER 1928

SUNDAY 25

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

330 days past
35 to come

MONDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

331 days past
34 to come

NOVEMBER 1928

TUESDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

332 days past
33 to come

WEDNESDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

333 days past
32 to come

NOVEMBER 1928

THURSDAY 29

Thanksgiving Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

334 days past
31 to come

FRIDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, NOVEMBER, 1928

GENERAL MEMORANDA, NOVEMBER, 1928—*(Continued)*

335 days past
30 to come

1928

SATURDAY 1

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

336 days past
29 to come

SUNDAY 2

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

337 days past
28 to come

DECEMBER 1928

MONDAY 3

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

338 days past
27 to come

TUESDAY 4

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

339 days past
26 to come

DECEMBER 1928

WEDNESDAY 5

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

340 days past
25 to come

THURSDAY 6

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

341 days past
24 to come

DECEMBER 1928

FRIDAY 7

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

342 days past
23 to come

SATURDAY 8

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

343 days past
22 to come

DECEMBER 1928

SUNDAY 9

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

344 days past
21 to come

MONDAY 10

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

345 days past
20 to come

DECEMBER 1928

TUESDAY 11

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

346 days past
19 to come

WEDNESDAY 12

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

347 days past
18 to come

DECEMBER 1928

THURSDAY 13

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

348 days past
17 to come

FRIDAY 14

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

349 days past
16 to come

DECEMBER 1928

SATURDAY 15

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

350 days past
15 to come

SUNDAY 16

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

351 days past
14 to come

DECEMBER 1928

MONDAY 17

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

352 days past
13 to come

TUESDAY 18

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

353 days past
12 to come

DECEMBER 1928

WEDNESDAY 19

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

354 days past
11 to come

THURSDAY 20

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

355 days past
10 to come

DECEMBER 1928

FRIDAY 21

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

356 days past
9 to come

SATURDAY 22

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

357 days past
8 to come

DECEMBER 1928

SUNDAY 23

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

358 days past
7 to come

MONDAY 24

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

359 days past
6 to come

DECEMBER 1928
TUESDAY 25
Christmas Day

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

360 days past
5 to come

WEDNESDAY 26

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

361 days past
4 to come

DECEMBER 1928

THURSDAY 27

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

362 days past
3 to come

FRIDAY 28

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

363 days past
2 to come

DECEMBER 1928

SATURDAY 29

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

364 days past
1 to come

SUNDAY 30

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

365 days past

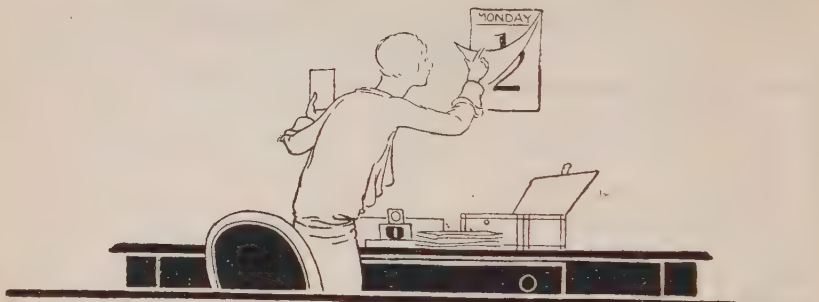
DECEMBER 1928

MONDAY 31

WEATHER	
Clear	
Cloudy	
Rain	
Snow	

GENERAL MEMORANDA, DECEMBER, 1928

GENERAL MEMORANDA, DECEMBER, 1928—
(Continued)



DAILY EXPENSE RECORD

NOTES BROUGHT FORWARD FROM 1927

DAILY EXPENSES—JANUARY 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					
4/4	Doctor	2	00								
	Drugs		25								
4/6	Stepin	1	18								
"	Case Books	2	00								
"	rent	3	00								

DAILY EXPENSES—FEBRUARY 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—MARCH 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—APRIL 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—MAY 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—JUNE 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—JULY 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—AUGUST 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—SEPTEMBER 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—OCTOBER 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—NOVEMBER 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

DAILY EXPENSES—DECEMBER 1928

Date		Total Expenses		Labor or Services		Sundry Items of Expense					

SUMMARY OF YEAR'S EXPENSES, 1928

CASH ACCOUNTS

NOTES BROUGHT FORWARD FROM 1927

CASH ACCOUNT—JANUARY 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—FEBRUARY 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—MARCH 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—APRIL 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—MAY 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—JUNE 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—JULY 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—AUGUST 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—SEPTEMBER 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—OCTOBER 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—NOVEMBER 1928

Date	Receipts			Date	Payments		

CASH ACCOUNT—DECEMBER 1928

Date	Receipts			Date	Payments		

SUMMARY OF ACCOUNTS FOR YEAR 1928

PERSONAL RECORD

Name .....

Address .....

Birthday .....

Telephone Number, Business .....

Telephone Number, Residence .....

Railroad Commutation Ticket No. .....

Fire Insurance Policy No. .....*Company*.....

Life Insurance Policy No. .....*Company*.....

Life Insurance Policy No. .....*Company*.....

Accident Insurance Policy No. .....*Company*.....

Bank Book No. .....*Bank*.....

Bank Book No. .....*Bank*.....

Automobile No. .....*License No.* .....

Wanamaker Store Coin No. .....

Watch No. .....*Maker*.....

Weight .....*lbs. on (Date)* .....

Height .....*on (Date)* .....

Bust Measure .....*Waist Measure*.....

Glove Size .....*Hat Size*.....

Collar Size .....*Shoe Size*.....

Cuff Size .....*Hosiery Size*.....

My Will may be found at .....

My Lawyer is .....*'Phone*.....

Lawyer's Address .....

My Doctor is .....*'Phone*.....

Doctor's Address .....

RECORD OF ADDRESSES AND TELEPHONE NUMBERS

Name	*Address*	*Telephone*

Record of Addresses and Telephones—(Concluded)

Name	*Address*	*Telephone*

BIRTHDAY AND ANNIVERSARY DATES

Name	Date
C. C. Lonkart	Jan 3.
Kenneth Lonkart	Feb. 3
Ap. Lewis M. Rush	Apr. 27
Eleanore Rush	Apr 28
May 22 - Billy Lonkart	May 22
Robert E. Gordon	" 25
Eleanore Cooke "Wed"	May 5
Betty Rush	
Mollie Rush	
Grace Rush	
Mother Rush	Aug 25
Jean Rush	Aug 26
Gerrard Lonkart	" 24
Fred Frei Jr	
Mother	Sept 27
Miss Reed "Wed."	Dec 2nd

Domestic Postage

First-Class Matter

Letters and Written Matter

sealed or fastened so that it cannot be easily examined, 2c per ounce or fraction.

Drop Letters

should be mailed at the rate of 2c per ounce or fraction thereof, including delivery at letter-carrier offices, and 1c per ounce when mailed, at non-carrier offices for local delivery.

Private Mailing-Cards (Post Cards)

Those which are entirely in print, or bear written or typewritten messages, will be subject to 2c postage.

Government postal cards will be subject to 1c postage.

Second-Class Matter

includes all printed newspapers and periodicals that have been entered as second class matter. To the general public the rate is 2c for 2 ounces or fraction thereof up to and including 8 ounces. Over 8 ounces the Parcel Post rate applies.

Third-Class Matter

Circulars, printed matter, merchandise, will be subject to postage rate of 1½c for each 2 ounces or fraction of 2 ounces, up to and including 8 ounces in weight, except that the rate on books, catalogues having 24 or more pages, including cover, seeds, cuttings, bulbs, roots, scions and plants, will be 1c for each 2 ounces on parcels not exceeding 8 ounces in weight.

Fourth-Class Matter (Parcel Post)

includes books, circulars, proof sheets, corrected proof sheets and manuscript copy accompanying same, merchandise, printed matter (except publications entered as second-class matter) and all other available matter not included in first, second or third classes, weighing over 8 ounces.

Postage on Fourth-Class Matter

The parcel post pound or zone rates (see next page) will apply.

Postal Information—(Continued)

Fourth-Class Matter *(Continued)*

Parcel Post—(Continued) Zone Rates

	1st lb.	Each additional lb. (2 lbs.)
Local	.05	.01
First (0-50 miles)	.05	.01
Second (50-150 miles)	.05	.01
Third (150-300 miles)	.06	.02
Fourth (300-600 miles)	.07	.04
Fifth (600-1000 miles)	.08	.06
Sixth (1000-1400 miles)	.09	.08
Seventh (1400-1800 miles)	.11	.10
Eighth (over 1800 miles)	.12	.12

The above rates do not include the 2c service charge required upon each parcel.

Service Charge (Parcel Post)

In addition to the postage there will be a service charge of 2 cents for each parcel of fourth-class matter, such charges to be prepaid in the same manner as the regular postage. The amount of the service charge must therefore be included in the amount of postage.

Special Handling

Whenever, in addition to the postage and service charge, 25 cents postage is affixed to a parcel of fourth-class matter with the words "Special Handling" written or printed upon the wrapper, such parcels will receive the same expeditious handling, transportation and delivery that is accorded to mail matter of the first class.

Parcels to be given special handling will be chargeable with the regular fourth-class rate together with the 2 cent service charge and 25 cents additional postage on each parcel, all to be fully prepaid.

Such parcels should be prominently indorsed by the sender, "Special Handling," in space immediately below the postage stamps and above the address.

Size and Weight of Packages

A parcel post package may not exceed 84 inches in length and girth combined. The limit of weight is 70 lbs. for the local, first, second and third zones, and 50 lbs. for other zones.

Insurance

Fourth-class matter may be insured against injury, loss or rifling in an amount equivalent to its actual value, on payment of the following fees, in addition to postage.

Value $5.00 or less, fee 5c; $5.00 to $25.00, fee 8c; $25.00 to $50.00, fee 10c; $50.00 to $100.00, fee 25c.

The sender must fill out an insurance tag, which will be furnished him on request to be attached to the parcel.

Postal Information—(Continued)

Fourth-Class Matter *(Continued)*

C. O. D. Service

Domestic Third and Fourth-Class Matter may be sent C. O. D., and price of article and all charges thereon will be collected from the person addressed, upon delivery. The fee is 12 cents, in addition to postage, when amount to be remitted does not exceed $10.00; 15 cents when amount does not exceed $50.00, and 25 cents when amount to be remitted does not exceed $100.00. These fees are paid by postage stamps affixed to parcel, which is automatically insured against non-receipt of returns, or loss, rifling or damage.

Examination of contents is not permitted before delivery and payment of charges.

Registered Mail

Registry fees on domestic and foreign mail shall be at the following rates and in addition to the regular postage, both of which shall be prepaid by stamps affixed, viz.:

For domestic articles of the first class, indemnified for $50 or less, 15 cents; over $50 and not in excess of $100, 20 cents.

For domestic articles of the second class, for which no indemnity is provided, and for domestic articles of any class without intrinsic value for which indemnity will not be allowed, 15 cents.

For domestic articles of the third class, indemnified for not exceeding $25, 15 cents.

For domestic, fourth-class (parcel post) articles sealed and prepaid at the first-class rate of postage, the same as for first-class mail.

For articles of whatever class addressed to foreign countries, 15 cents.

Charge for Return Receipt

Whenever the sender shall so request, and upon payment of a fee of 3 cents, a receipt shall be taken on the delivery of any registered mail matter, showing to whom and when the same was delivered, which receipt shall be returned to the sender.

Money Order Rates

For sums not exceeding $2.50, 5c;

Over $ 2.50, 7c.	Over $ 5.00, 10c.
Over 10.00, 12c.	Over 20.00, 15c.
Over 30.00, 15c.	Over 40.00, 18c.
Over 50.00, 18c.	Over 60.00, 20c.

Over $75.00, not exceeding $100.00, 22c.

Domestic rates of postage apply to all parts of the United States and its possessions. The term "Possessions of the United States" includes Hawaii, Porto Rico and the Virgin Islands,

Postal Information—(Continued)

Money Order Rates *(Continued)*

Philippines, Guam, Tutuila, Manua and the Canal Zone.

Domestic rates and conditions apply to mail matter addressed to officers or members of the crews of vessels of war of the United States, the Naval Hospital at Yokohama, and, with certain exceptions, to Canada, Cuba, Mexico and the Republic of Panama.

Aeroplane Mail

consisting of first-class matter, including sealed packages not exceeding 84 inches in length and girth, combined, and 50 pounds in weight, is chargeable with postage as follows:

Air Mail, 10 cents for each half-ounce or fraction of half-ounce, regardless of distance in the domestic mails.

No charge whatever for train or any other services.

Special aeroplane stamps are not required, but any stamps good for postage may be used.

Foreign Postage

Letters

First ounce or less, 5c; each additional ounce, 3c. Postal cards, 3c where the above rate applies. Newspapers and other printed matter, 1c for 2 ounces. Samples of merchandise, 4 ounces or less, 2c; each additional- two ounces, 1c. Limit of weight, 18 oz. Registration fee, 15c.

Note: The letter rate to Great Britain and Ireland, Newfoundland, Bahamas, Barbadoes, British Guiana, British Honduras, Dominican Republic, Trinidad, Dutch West Indies, Leeward Islands and New Zealand is 2 cents for each ounce or fraction thereof.

Foreign Parcel Post

Postage 14 cents a lb. or fraction thereof, save to Guadaloupe, Japan and Haiti, where rate is 12c. Packages for Canada must not exceed 15 lbs. in weight; for Cuba, the limit is 11 lbs. Parcels weighing up to 22 lbs. may be sent to Mexico, and up to 50 lbs., except as noted in "Postal Guide" to Panama. The limit of weight for all other countries is 11 lbs. to 22 lbs. (See Postal Guide.)

Customs Declarations

A Customs Declaration Form 2966 (which will be furnished on application) must be filled out, accurately describing contents, value, etc., of the parcel.

Postal Information—(Concluded)

Foreign Special-Delivery Service

Letters, postcards, printed matter, commercial papers, and samples (ordinary and registered) addressed for delivery in Australia, Austria, Belgium, China, Cuba, Czechoslovakia, Danzig (Free City of), Denmark, Estonia, Finland, France, Germany, Great Britain (England, Scotland and Wales), Hungary, Irish Free State, Italy, Japan, Lithuania, Mexico (unregistered), Northern Ireland, Netherlands, Norway, Panama, Poland, Portugal, Sweden and Switzerland will be given the benefit of special-delivery service *when prepaid* 20 *cents, in addition to the regular postage,* by United States special delivery or other stamps which are affixed to each article, and which should in all cases be boldly marked, *in red ink,* "Express", directly below but never on the stamp.

PHILADELPHIA POST OFFICES

Bridesburg	Bridge & Salmon
Bustleton	1855-1857 Welsh Rd.
C	1921 Oxford
Central	9th & Market
Chestnut Hill	12 W. Graver's Lane
D	N. E. cor. 18th & Christian
E	3247 Kensington
East Falls	3663 Midvale
Elkins Park Branch	S. E. cor. High School Road & Harrison
Fox Chase	S. E. Cor. Rising Sun & St. Vincent
Frankford	S. E. cor. Sellers & Griscom
Garage	43d bl Woodland
Germantown	18 W. Coulter
Holmesburg	8056 Frankford
J	635 N. 19th
Kingston	2214 E. Susquehanna
Kingsessing	S. E. Cor. 52d & Florence
Land Title Bldg.	1119-23 Land Title Bldg.
Logan	Windrim at Lindley
Manayunk	4448 Main
Middle City	N. E. Cor. 18th & Ranstead
Mount Airy	6700 Germantown
N. Phila.	2923-25 N. Broad
Nicetown	3612-14 N. 15th
19	Wanamaker's
O	10th & Columbia
Oak Lane Sta.	1037-68th
Olney	131-133 W. Tabor
Paschall	S. E. cor. 68th and Yocum
Passyunk	S. E. cor. 10th & Snyder
Pt. Breeze	N. E. cor. 20th & Snyder
S	510-512 N. 6th
60th St.	5838 Market
Southwark	1028 So. 10th
Tacony	Tulip bl. Longshore
Torresdale	James St. bl. Grant
22	Broad St. Station
22nd Street	N. E. Cor. 22nd & Market
West Market St. Sta.	5229 Market
West Park	1573-75 N. 52nd
West Phila.	3919 Market

HOW WEATHER FORECASTS ARE MADE

DID you ever read a weather forecast, and then look out of the window to see if the weather was in agreement with it, and all without giving a thought to the period for which the forecast was made?

Many people do that very sort of thing, yet it is realized, by those who are in a position to know, that the errors committed in interpreting the forecasts are greater than those contained in them.

For example, let us say that on a certain Tuesday, you buy an afternoon paper to read on the way home. You turn to the weather forecast and read: "Fair and somewhat cooler tonight; Wednesday mostly cloudy." Perhaps it has rained at intervals all day and is still heavily clouded and gloomy. You remark to your seatmate that, "There is another weather forecast gone wrong," and he remarks, "As usual."

A thought has not been given to the fact that the period covered in the forecast has not begun, and that its accuracy cannot be judged of properly until the specified time has ended. On the next morning, you will be able to pass on the accuracy of the night forecast, and at the end of the day, on that for Wednesday. Think of that, the next time you read a weather forecast.

How do you think the weatherman arrived at the forecast? Do you think that he recognizes a lot of weather signs and sayings, or that he consults divers mysterious instruments for his information? Be assured that neither signs nor instruments, nor the local appearances of the weather, enter into his calculations to any considerable extent. He has several automatic recording instruments, but they are for the purpose of making accurate and permanent records of the weather as it occurs, and play a small part in the forecast work.

A weather forecaster's observations cover a much larger area than his visual horizon. In fact, they cover practically all of the United States and Canada. Each morning and evening he receives something over 200 telegrams from all parts of that vast area, and as fast as the messages come in, the conditions are copied in their proper places on a large base map. When the messages are all received and recorded, and the many observation areas thus connected up, they resolve into a vast bird's-eye view of the weather for the whole country.

With this map the weatherman can outline the storm areas, and can see how far they have drifted across the country, and in what direction since the preceding map was made. The finished map pictures the clear weather areas, the cloudy areas, and the rain areas. It shows the direction and velocity of the wind in each

Forecasting the Weather—(Concluded)

reporting district, together with the temperature, and all such miscellaneous phenomena as frosts, fogs, et cetera.

It may seem at first thought that, with such complete information, the forecasts should be nearly perfect, whereas they contain an average error of about 20 per cent. The explanation is that most of the errors occur for places that are near the borders of the storm areas. Well within the rain areas the forecasts for rain are usually verified, while out and well away from the storm path the forecasts for fair weather are usually correct.

Around the more or less jagged edges of the storms there are uncertain conditions which, as the storms drift across the country, make forecasting exceedingly difficult.

Storm areas are large atmospheric disturbances, usually covering several States. During the cold months, a rain forecast is more likely to be verified than during the summer months, when the rain areas are made up of a large number of local thunderstorms. Local thunderstorms seldom hit all points within the rain area.

The map method of forecasting, as conducted by the Weather Bureau, enables the forecaster to follow severe disturbances, such as hurricanes and cold waves, and to issue warnings ahead of them with great accuracy. That is the prime object to be attained in the maintenance of the Weather Bureau. The map makes possible the forecast of local conditions and day-to-day changes with a fair degree of accuracy, merely as a matter of convenience.

The local, day-by-day forecasts have no great value in the matter of the saving of lives and property, and occupy the position of a side issue to the larger work of storm warnings; but, strange to say, they constitute that feature by which the great general public judges the forecast.

Storms are mobile disturbances in the atmosphere, and their movements and developments are so irregular that the weather map makes it possible to foretell conditions only from 36 to 48 hours in advance. Long-range forecasts have no foundation.

Unfortunately, there is nothing yet known in science that enables any man to estimate weather conditions more than two or three days in advance. The so-called forecasts of the character of coming seasons are valueless.

Named from The Dragon

THE popular house plant, the Dracæna, is also known as the "Dragon Tree." It received its name from "Drakaina," signifying "a female dragon." Its juice, when thickened, becomes a powder, which in the eyes of the ancients resembled, in its color, dragons' blood.

COOKERY CRAFT

Who Likes Tarts and Fluffy Pastry?

Plain Pastry

Three cups of flour, 1 teaspoonful salt, 1 cup butter, lard or other shortening, ½ to ¾ cup of cold water, ½ teaspoonful baking powder.

Mix and sift the dry ingredients. Add shortening, and work into flour mixture with a fork or pastry wheel. When thoroughly mixed, cut in the cold water with a knife. Roll on a floured board. Pastry should be baked in a hot oven.

Hot-Water Pastry

Three cups of flour, 1 teaspoonful salt, 1 cup of butter, lard or other shortening, 2/3 cup boiling water.

Mix and sift the dry ingredients. Pour the boiling water over the shortening to melt it. Add to the flour mixture. Cut in all the liquid with a knife. Chill thoroughly—overnight if possible. Roll and bake, as any pastry.

Fillings for Tarts

For a change, try a tart of plums or apples, stewed with sugar and put through the sieve. Place layers of the stewed fruit in the pie dish with layers of sliced banana, orange marmalade or apricot jam. Apple and blackberry, and apple and mulberry make good tarts. When using apples be sure that all core is removed.

A pineapple and apple tart is a pleasing novelty. Use canned Hawaiian pineapple and remove all eyes and core. Partly cook the apple and then add the pineapple; put crust in position, and bake.

Cookery Craft—(Continued)

Flaky Pastry

Three cups of boiling water, 1 teaspoonful of salt, 1 cup of butter or other shortening, ¾ cup cold water.

Mix and sift the dry ingredients. Work in half the shortening with a fork or pastry wheel. Cut in the cold water. Roll in a rectangular sheet, spread with ¼ of remaining shortening. Fold over in 3 folds. Chill and roll. Cut in a rectangular sheet as before. Continue until all shortening is used. Chill between each rolling.

To Make a Fruit Tart

If the fruit is hard and under-ripe, it should be stewed with sugar before being placed in the pie dish, otherwise the pastry will be overdone before the contents are sufficiently cooked. Use plenty of fruit and pile high in the centre.

If the fruit has not been stewed with sugar put in raw fruit and sugar. If the fruit is dry, add also one tablespoonful or so of cold water. Wet the edge of the pie dish with cold water before putting on the cover of pastry. The edges should be neatly dented with the prongs of a fork and trimmed. After baking, the tart should be powdered with sugar.

Allow about 2 lb. of picked fruit for eight persons.

The English Open Tart

The English open tart is more often than not baked on a tin plate, spread with jam and ornamented with trellis work of pastry. This is made by cutting thin strips of pastry and rolling them spiral fashion. The edge of the tart should be corrugated and neatly trimmed at the edge.

Lemon tart is an open tart filled with lemon cheesecake mixture. Golden tart is an open tart filled with golden syrup thickened with fine breadcrumbs, and well-flavored with grated lemon rind and strained lemon juice.

Choux Pastry

Three gills cold water, 3 oz. butter, 1 oz. sugar, 6 oz. flour, 3 eggs, vanilla.

Put the water, butter and sugar into an enamel-lined pan; when boiling, remove the pan from the fire and stir in quickly the flour, beat till smooth, cook till it leaves the sides of the pan clear, then take from the fire and beat in separately the eggs, and flavor with vanilla. Shape out on to a greased bakery sheet by means of a bag and large, plain forcing pipe.

Bake in a slow oven till of a pale brown, and when cold, just open sufficiently to fill with whipped cream, custard or chocolate custard, by means of the bag and pipe. Press together again and serve plain, or ice the top of the eclairs with white sugar icing or chocolate icing.

Cookery Craft—(Continued)

Perhaps These Are New to You

Delicate Indian Pudding

Ingredients: 1 quart of milk; 6 tablespoonfuls of yellow cornmeal; 1 teaspoonful of ginger; 2 tablespoonfuls of butter; 4 tablespoonfuls of sugar; 2 eggs; 1 tablespoonful of salt.

Bring the milk to a boil in a double boiler; sprinkle the meal into it, stirring constantly, and cook 12 minutes, stirring often. Add the butter, and pour the mixture over the rest of the ingredients (which have been beaten together). Bake slowly 1 hour. Serves four persons (½ of a cup each).

Casserole of Chicken (Florentine)

Take a chicken (or rabbit), about 4 strips of bacon, 1 onion, ½ pint of stock, the tiniest pinch of powdered mace, pepper and salt, 1 dessertspoonful of brown glaze; parsley, lemon peel, 2 cloves and 8 peppercorns, the last four ingredients all tied in a muslin bag.

Cut the chicken into neat joints, season each with pepper, salt and a suspicion of mace. Cut the strips of bacon into dice and place them in the casserole; when the fat melts, put in the chicken and the onion, very finely minced, and fry until the meat is just colored. Then add the warm stock (preferably made with the carcass of a bird), also the bag of herbs.

Put on the cover and cook very slowly for about 1½ to 2 hours, according to the age of the bird. When done, take out the bag of seasoning and strain off the gravy. Skim off any fat, and stir in a dessertspoonful of brown glaze. The chicken may be cooked whole if the casserole is sufficiently large, but in that case it needs to be served on another dish, as it is not convenient to carve it in the casserole.

Eggs and Mushrooms

Put two tablespoonfuls of butter in a pan, and when melted stir into it one tablespoonful of flour; blend well and then add half a pint of brown stock, a few mushrooms (cut in dice), salt and pepper. Allow these ingredients to simmer for ten minutes, then add six hard-boiled eggs, cut in slices, boil up and serve.

Scotch Rarebit

Cut ½ lb. of cheese in very small pieces, and add 1 oz. of fresh butter, two tablespoonfuls of fine breadcrumbs, one teaspoonful of prepared mustard, salt and pepper, and a pinch of cayenne to taste. Mix well together to a smooth paste. Have ready some buttered toast, place on a dish, spread with the mixture, and set in the oven until melted. Serve at once.

Cookery Craft—(Continued)

Refreshing Sherbets and Ices

THE warmer the weather, says *Eve,* an English publication, the more one's thoughts turn to ices and cold drinks. Among the formulæ for frozen fruits and iced beverages there given, are:

Lemon Ice

No. 1.—One quart of water, three quarters pound of granulated sugar, one and a half gills lemon juice. Boil the water and sugar to a syrup for five minutes. Allow to cool, add the juice and freeze.

No. 2.—One quart of water, three-quarters pound granulated sugar, one and a half gills lemon juice. Make a syrup of sugar and water, allowing it to boil for twenty minutes, let it cool, add the juice. Freeze and serve with crême de menthe in thin glasses.

Creme De Menthe

One quart of water, six ounces granulated sugar, three tablespoonfuls crême de menthe, a few drops of sap green coloring. Boil the sugar and water for twenty minutes to make the syrup, add the crême de menthe and sap green coloring. Let it cool. Strain and freeze.

Frozen Peaches

Two pounds peaches, one quart of water, six peach kernels, one and a half pounds of granulated sugar.

Peel the peaches, remove the stones. Pound the kernels to a paste, then add them to the sugar and water, boil for five minutes. Strain and leave to cool. When quite cold add the peaches crushed, freeze slowly. Repack and put aside to ripen.

Strawberry Granite

One pint of strawberry juice, one pint of orange juice, one and a half pounds sugar, one quart of strawberries of even size, one quart of water. Boil the sugar and water together for five minutes. Drop the whole strawberries into this syrup, lift out carefully and place them on a dish to cool, add the syrup and the orange juice. Strain, and freeze as lemon water ice. When frozen stir in the strawberries and serve in glasses.

Strawberry Ice

One quart of water, 12 oz. granulated sugar, one pint of strawberry juice, one tablespoonful lemon juice.

Make a syrup of the sugar and water and boil for twenty minutes. When quite cold add the strawberries, crushed and well squeezed through a fine hair-sieve, add the lemon juice, strain, and freeze.

Cookery Craft—(Continued)

Mint Sherbet

Six lemons, two oranges, 12 oz. granulated sugar, one pint of water, one white of egg, one large bunch of fresh green mint, a little harmless green coloring.

Squeeze out the juice of the lemons and oranges. Over the thin peelings pour the cold water and bring just to boiling point. Pour quickly over the finely chopped mint and sugar. Cover and allow it to soak for one hour. Then strain over the fruit juice. Add a few drops of green coloring and stir well. Put all together, and when cold, put into the freezer with the well-beaten white of egg and freeze. Serve in sherbet glasses, using tiny sprigs of mint, and garnish with Maraschino cherries. Serve with lamb.

Egg Lemonade

Place in a large glass a fresh egg, a teaspoonful of powdered sugar, the juice of a sound lemon. Fill up the glass with water, shake in a shaker with a little broken ice until the ingredients are thoroughly mixed, then strain and serve.

Chocolate Sauce for Ice Cream

The sauce must be made just before serving. As the ice cream is served, the hot sauce is poured over forming a sort of coating.

Put 4 oz. grated, unsweetened chocolate with 6 oz. sugar and a gill of milk into a saucepan, cook slowly until the chocolate and the sugar are dissolved, and then boil until it hardens slightly when dropped in cold water. Serve at once.

Suggestions for Sunday-Night Suppers

That hot dishes make the Sunday night supper attractive, and that those can be selected which give very little trouble in the preparation, is the common-sense viewpoint of a writer in the London *Queen,* from which the following suggestions are taken.

Beetroot Cream Soup

One oz. butter, 1½ oz. flour, 1 cooked beetroot, half a stalk of celery, 1 pint of vegetable stock, half a gill of cream, salt and pepper.

Melt the butter in a pan over the fire, but do not let it brown. Add stock, and stir till it boils. Peel and cut beetroot into shreds, and wash, trim and shred the celery, then add both to the ingredients in the pan. Cover, and boil for about half an hour, then pour through a sieve, rubbing enough of the beetroot through to give the soup a nice color. Sea-

Cookery Craft—(Continued)

son to taste and add the cream. Heat up again, without boiling, and serve very hot.

Do not boil the soup for more than half an hour, or the color will be spoiled. When celery is not at hand, one may flavor by adding celery salt, or a teaspoonful of celery seed in a muslin bag.

Chicken Marcel

Boiled chickens, ham mousse, aspic, green peas.

Take the best portions of one or two cold boiled chickens, according to the number of persons to be served, and divide neatly, putting aside the carcass for stock and the legs for a grill. Fill a souffle dish with mousse of ham, and then arrange the chicken on the top. Garnish with a little finely chopped aspic jelly and some green peas.

Mousse of Ham

One-half lb. of cooked ham, ½ pint of veloute sauce, 1 gill of liquid aspic or savory jelly, 3 gills of whipped cream, seasoning.

Put the ham three times through a sharp mincer and then work it through a sieve with the veloute. Season with salt, pepper, and cayenne. Mix in the jelly, and then the whipped cream. Taste and add more seasoning if necessary. Have ready a soufflé dish, put the mixture in and leave in a cold place until set.

Aspic Jelly

One and a half pints water, ½ gill tarragon and malt vinegar mixed, the strained juice of 1 lemon, 1 onion sliced, ½ teaspoonful salt, 2 oz. gelatine, the white and shell of 1 egg, a little parsley, 8 peppercorns.

Place all the ingredients together in a saucepan, and whisk steadily over the fire until the mixture boils; then simmer without touching it for five minutes; just move away the froth so that the liquid can pour clear, and pour it through a jelly bag or clean cloth which has been wrung out in boiling water. Pour gently a little at a time, return what has run through, and when it runs clear it is ready for use.

Other "dishes which I find popular" are home-made dried beef, cold tongue, noisettes of lamb in aspic, noisettes of lamb in mushroom sauce (hot), boned and stuffed chicken, cold braised duck with green peas, a casserole of chicken or guinea fowl, a little joint of *bœuf à la mode*, asparagus salad or cold cauliflower with mayonnaise sauce, or sliced tomato with oil and vinegar dressing.

Yes, it's easy enough to manage a hot dish for Sunday supper.

Cookery Craft—(Concluded)

Some Interesting Salads and Dressings

Chicken Salad

Take a tender cooked (boiled) chicken. Remove all the flesh, taking the skin and gristle away (use the carcass and all trimmings for stock for white soup).

Cut the meat into cubes, and add an equal quantity of celery cut into pieces of the same size. Just before serving sprinkle with lemon juice, dust with salt and paprika and add about a half-pint of mayonnaise. Toss with two forks until the salad is covered with mayonnaise.

Line the salad bowl with crisp lettuce leaves; place the meat on these, garnish with stoned olives, and the light green tops of celery; serve immediately.

Mayonnaise Dressing

Put the uncooked yolks of 2 eggs into a clean, cold soup plate. Add half a teaspoonful of salt and a dash of cayenne; work these well together, and then add, drop by drop, half a pint or more of olive oil. Stir rapidly and steadily while adding the oil.

After adding 1 gill of oil, alternate occasionally with a few drops of lemon juice or vinegar. The more oil you use, the thicker the dressing. If too thick, add half a tablespoonful or more of vinegar, to reduce it to the proper consistency. More or less oil may be added, according to the quantity of dressing wanted.

This dressing, if covered closely in a jar or tumbler, will keep in a cold place for a week.

Where a large quantity of mayonnaise is required, and expense must be taken into account, a little whipped cream stirred in at the very last moment increases its bulk.

Cooked Mayonnaise Dressing

Put the yolks of 4 eggs into a saucepan; add 4 tablespoonfuls of olive oil, 4 tablespoonfuls of water; beat for a moment. Stand the saucepan in a pan of boiling water, and beat constantly and rapidly, until the sauce is of the consistency of ordinary mayonnaise dressing.

As soon as it begins to thicken, take it from the fire; the heat of the saucepan will finish the cooking. It must not be curdled or lumpy. Pass this through a very fine sieve; add gradually a tablespoonful of tarragon vinegar and a teaspoonful of lemon juice. Stand aside until perfectly cold.

When wanted for use, fold in half a cup of cream whipped to a stiff froth.

KEEP THESE HOUSEHOLD HINTS HANDY

Cool Milk to Keep It Sweet.—Cool the milk regularly as warm weather approaches. Changeable weather may turn to sultry at any time, and milk may sour if it is not properly cooled. Use a cooler if you have it. If not, you can put the milk in a clean can, set it in running water, and stir it every five minutes for a half-hour.

Cleaning Glass Globes.—To clean glass globes, soak them in warm water with a little soda and ammonia. Rub them with a soft flannel inside and out, place in cold water, and dry them with a clean cloth, giving a final polish with a newspaper.

How To Clean a Piano Surface.—Specks and dirt may be removed by going over the surface with a damp cloth. Rub dry and go over the wood with a rag dipped in olive oil, after which polish it with a chamois leather or some pieces of old kid gloves.

Brass Bedsteads should be dusted with a soft cloth every day. If the brass looks soiled, rub it with a cloth slightly moistened with sweet oil, then polish with chamois leather.

Leather-Covered Chairs, when dull and shabby-looking, may be greatly improved in appearance by being brushed over with the white of an egg. Leather suit cases, bags and trunks may be treated in the same way.

A Little Pipeclay dissolved in the water employed in washing linen cleans the dirtiest clothes thoroughly, with a great saving of labor and soap. It will also improve the color of the linen, giving it, if used regularly, the appearance of having been bleached.

To Keep Marble Bright.—Pound together 2 oz. of washing soda, 3 oz. powdered pumice stone, and 1 oz. of powdered chalk, then pass it through a sieve. Take a little of the powder and make it into a paste with cold water, rub it over the marble, and when all stains are removed, wash it with soap and water.

Spots and Stains on Silk.—To remove spots and stains from silk without injuring the color, take five parts of water and 6 parts of alum, well pounded. Boil a short time, then pour into a vessel to cool. Previous to using, the mixture must be made warm, then wash the stained parts and leave to dry.

How to Dry Hair Brushes.—After washing they can be quickly and thoroughly dried, without injuring the bristles, by brushing them briskly with a whisk broom. There is no better way to dry hair after it has been washed than to hold up a few strands at a time and with a small whisk broom fan it, letting the broom at the same time act as a comb gently drawn through it.

Handy Household Hints—(Concluded)

When a Cake Burns and cannot be removed from the tin, stand tin on a damp cloth for a few minutes, after which the cake can be easily removed.

A little quicklime placed in the infested places will drive away any kind of ants.

To Make Leather Waterproof—Saturate it with castor oil.

To Stop Shoes from Squeaking—Drive a peg in center of sole.

To Wash Colored Cottons—Dissolve 10 cents' worth of sugar of lead in 3 to 4 parts of pure water (rain water is best). After the garments are washed and rinsed, dip them in and wring out. It sets the color and keeps it.

A good cement for broken glass is made by dissolving an ounce of isinglass in two wineglasses of spirits of wine.

To remove clinkers from stove or firebrick, put in about a peck of oyster shells on top of a brightly burning fire. This may need repeating.

To Remove Mildew from Cloth.—Put a tablespoonful of chloride of lime into a quart of water, strain it twice, then dip the mildewed places in this weak solution. Lay them in the sun. If the mildew has not disappeared when dry, repeat.

To Remove Stains from Linen.—Wet the part stained, and lay on it some salt of wormwood. Then rub without diluting it with more water.

Applying kerosene with a rag when you are about to put a stove away for the summer will prevent it from rusting.

Charcoal is recommended as an absorber of gases in the milk room, should foul gases be present. It should be freshly powdered and kept there continually.

A teaspoonful of borax put into the last water in which clothes are rinsed will whiten them surprisingly. Pound out all lumps in the borax, so it will dissolve easily.

One teaspoonful of ammonia to a teacupful of water, applied with a rag, will clean silver or gold jewelry.

Clear boiling water will remove tea stains. Pour the water through the stain, which prevents its spreading.

Salt will curdle new milk. In preparing porridge, gravies, etc., the salt should not be added until the dish is prepared.

Paint stains that are dry and old may be removed from cotton or woolen goods with chloroform. First cover the spot with olive oil or butter.

Boiling starch is much improved by the addition of sperm or salt, or both, or a little gum arabic dissolved.

INCOMES AND BUDGETS

WHAT and why is a budget?

Well, a budget is an attempt to take the "guesswork" out of personal and household expenditures. It is a detailed outline of the best way to use one's financial resources.

The need of a budget is now generally recognized in progressive business organizations, and notably in progressive governments. The Congress of the United States created a Directorship of the Budget.

As the nation needs a budget, so does the individual. So does the home.

In planning a family budget, the first consideration must be for the common requirements of the family as a group. The individual requirements of its members are supplied from the portion of the income not required in the general running costs of the home.

The following budgets, suggested by the Wanamaker Home Budget Director, deal with annual expenditures:

SINGLE PERSONS

	Incomes approximating $1200		Incomes ranging from $2400 to $5000	
Board and Lodging, including lunches and carfare	55%	$660	45%	$1080–2250
Clothing—including laundry, pressing and repairing	20%	240	18%	432– 900
Advancement and Recreation	15%	180	17%	408– 850
Savings	10%	120	20%	480–1000

FAMILIES

	Annual Income $2500 to $5000			Annual Income $6000 to $10000		
Shelter—(rent, taxes, int. on mortgage, upkeep, etc.)	24%	$576	$1200	25%	$1500	$2500
Maintenance—(gas, electricity, service, telephone, minor replacements)	15%	360	750	15%	900	1500
Food	20%	480	1000	17%	1020	1700
Clothing	17%	408	850	15%	900	1500
Advancement—(church, charity, education, health, etc.)—and Recreation	14%	336	700	13%	780	1300
Savings—(life insurance, saving accounts, building and loan assns., investment securities, permanent home equipment)	10%	240	500	15%	900	1500

Points About Banking That Everyone Should Know

IN ENDORSING a check, write your name as it appears on the face of the check. A check made payable to "John Jones, Treasurer," should be endorsed "John Jones, Treasurer," and not simply "John Jones or J. Jones."

All checks should be deposited as soon as possible, so that collections may be made promptly. If you hold a check too long, it may be returned to you marked "No funds," if the man who sent you the check has drawn out his money before your check was received for payment.

If you make a mistake in writing a check, do not erase or alter the amount or the name. Take a little more time and make out a new check, destroying the old one.

The figures on a check should be placed close to the dollar mark, so that it would be impossible for any dishonest person to insert another figure. In writing the amount on the check in words, begin close to the left-hand margin, and after the amount is written, draw a line in the blank space left between the amount and the word "dollars." Wherever the figures and the written amount on the check differ, a bank will pay written amount.

When making a deposit, always see that your name is written at the head of your deposit slip, in the same form as you wrote it when you left your signature with the bank. Write out the amount of deposit as plainly as possible. List money separately as Gold and Silver, and in entering checks, write the name of the bank drawn on, and the town in which the bank is located.

When depositing currency, arrange bills so that ones and twos will be together, the fives together, the tens together, and so on, and lay the bills upward. Do the same thing with gold and silver. If your deposit is a large one, you may put the money in packages, and label each package with the amount, marking labels in your name.

A check is simply a piece of paper, on which is written an order on your bank to pay some one a certain sum. Strangers often do not like to accept this piece of paper in payment of debts due them. Therefore, in many cases your check should be certified.

When you want a check certified, hand it to the Paying Teller. He in turn gives it to the bookkeeper having charge of your account, and if the bank balance is sufficient to cover the amount, he stamps across the face, "Good for $..... (the amount named in the check), when properly endorsed."

The Paying Teller or some officer of the bank then signs that statement, and the amount of the check is immediately charged to your account. In this way the bank guarantees or certifies that your check is good. If check is not used, return to bank, as it has been charged to your account.

Points About Banking—(Concluded)

A branch of the banking business of great convenience to its customers, that is of great convenience to its customers, is a Collection Department. Notes, drafts, and all negotiable papers are received for collection upon payment of a small per cent.

Notes intended for collection should be left at the bank several days before maturity, as banks sometimes notify the payer a few days before the note falls due.

The formality of identification is a very necessary banking custom. For protection against dishonest practices or unknown persons, banks usually require that all strangers shall be introduced by some responsible acquaintance of the bank, who can vouch for the identity.

PRESIDENTS AND VICE-PRESIDENTS OF THE UNITED STATES

	President	*Birth-place*	*Held Office*
1st	George Washington	Va.	1789-1798
2nd	John Adams	Mass.	1798-1801
3rd	Thomas Jefferson	Va.	1801-1809
4th	James Madison	Va.	1809-1817
5th	James Monroe	Va.	1817-1825
6th	John Quincy Adams	Mass.	1825-1829
7th	Andrew Jackson	Tenn.	1829-1837
8th	Martin Van Buren	N. Y.	1837-1841
9th	William H. Harrison	Ohio	1841 (1 mo.)
10th	John Tyler	Va.	1841-1845
11th	James Knox Polk	Tenn.	1845-1849
12th	Zachary Taylor	La.	1849-1850
13th	Millard Fillmore	N. Y.	1850-1853
14th	Franklin Pierce	N. H.	1853-1857
15th	James Buchanan	Penn.	1857-1861
16th	Abraham Lincoln	Ill.	1861-1865
17th	Andrew Johnson	Tenn.	1865-1869
18th	Ulysses S. Grant	Ill.	1869-1877
19th	Rutherford B. Hayes	Ohio	1877-1881
20th	James A. Garfield	Ohio	1881 (7 mos.)
21st	Chester A. Arthur	N. Y.	1881-1885
22nd	Grover Cleveland	N. Y.	1885-1889
23rd	Benjamin Harrison	Ind.	1889-1893
24th	Grover Cleveland	N. Y.	1893-1897
25th	William McKinley	Ohio	1897-1901
26th	Theodore Roosevelt	N. Y.	1901-1909
27th	William H. Taft	Ohio	1909-1913
28th	Woodrow Wilson	N. J.	1913-1921
29th	Warren G. Harding	Ohio	1921-1923
30th	Calvin Coolidge	Mass.	1923-

	Vice-President	*Birth-place*	*Held Office*
1st	John Adams	Mass.	1789-1797
2nd	Thomas Jefferson	Va.	1797-1801
3rd	Aaron Burr	N. Y.	1801-1805
4th	George Clinton	N. Y.	1805-1813
5th	Elbridge Gerry	Mass.	1813-1814
6th	Daniel D. Tompkins	N. Y.	1817-1825
7th	John C. Calhoun	S. C.	1825-1833
8th	Martin Van Buren	N. Y.	1833-1837
9th	Richard M. Johnson	Ky.	1837-1840
10th	John Tyler	Va.	1841-1844
11th	George M. Dallas	Pa.	1845-1849
12th	Millard Fillmore	N. Y.	1849-1850
13th	William R. King	Ala.	1853-1857
14th	John C. Breckinridge	Ky.	1857-1861
15th	Hannibal Hamlin	Me.	1861-1865
16th	Andrew Johnson	Tenn.	1865-1869
17th	Schuyler Colfax	Ind.	1869-1873
18th	Henry Wilson	Mass.	1873-1877
19th	William A. Wheeler	N. Y.	1877-1881
20th	Chester A. Arthur	N. Y.	1881-1885
21st	Thomas A. Hendricks	Ind.	1885-1889
22nd	Levi P. Morton	N. Y.	1889-1893
23rd	Adlai E. Stevenson	Ill.	1893-1897
24th	Garrett A. Hobart	N. J.	1897-1901
25th	Theodore Roosevelt	N. Y.	1901-Sept.
26th	Charles W. Fairbanks	Ind.	1905-1909
27th	James S. Sherman	N. Y.	1909-1913
28th	Thomas R. Marshall	Ind.	1913-1921
29th	Calvin Coolidge	Mass.	1921-1923
30th	Charles G. Dawes	Ill.	1925-

PRINCIPAL FOREIGN COINS VALUED IN U. S. MONEY

Standard Rates on Gold Basis

Argentine Republic	Peso (10 pesetas)	$ .9648
Austria Hungary	Krone (100 heller)	.2026
Belgium	Franc (100 centimes)	.1930
Bolivia	Boliviano (100 centavos)	.3893
Brazil	Milreis (1,000 reis)	.5462
Canada	Dollar (100 cents)	1.0000
Chile	Peso (10 pesetas)	.3650
China	Tael (100 candareens) (customs)	.8463
	(varies considerably in different sections)	
Colombia	Dollar (100 cents)	.9733
Costa Rica	Colon	.4653
Cuba	Peso (10 pesetas)	1.0000
Czecho-Slovakia	Crown	.2026
Denmark	Krone (100 ore)	.2680
Ecuador	Sucre (100 centives)	.4867
Finland	Markka (100 pennia)	.1930
France	Franc (100 centimes)	.1930
Germany	Mark (100 pfennige)	.2382
Great Britain	Pound sterling (20 shillings)	4.8665
	Penny 2c; shilling	.2433
Greece	Drachma (100 lepta)	.1930
Haiti	Gourde (100 cents)	.2500
India	Rupee (16 annas)	.4866
Italy	Lira (100 centesimi)	.1930
Japan	Yen (100 sen)	.4985
Jugo-Slavia	Dinar	.1930
Mexico	Peso (10 Pesetas)	.4985
Netherlands	Guilder (100 cents)	.4020
Norway	Krone (100 ore)	.2680
Panama	Balboa (100 centavos)	1.0000
Paraguay	Peso (10 pesetas)	.9648
Persia	Toman (10 Krans)	.7900
Peru	Libra (10 sols)	4.8665
Philippines	Peso (10 pesetas)	.5000
Poland	Mark (100 pfennige)	.2382
Portugal	Escudo (10 reals)	1.0805
Roumania	Lei (100 bani)	.1930
Russia	Ruble (100 copecks)	.5146
Santo Domingo	Dollar (100 cents)	1.0000
Siam	Silver Tical	.4800
Spain	Peseta (100 centesimos)	.1930
Sweden	Krona (100 ore)	.2680
Switzerland	Franc (100 centimes)	.1930
Turkey	Piaster (40 paras)	.0440
Uruguay	Peso (10 pesetas)	1.0342
Venezuela	Bolivar (20 centavos)	.1930

FOREIGN PHRASES IN FREQUENT USE

In statu quo ante bellum (Lat.)—In the same condition as before the war.

Aide-de-camp (Fr.)—Assistant to a general.

A la mode (Fr.)—According to the custom; in fashion.

Alma mater (Lat.)—"Gentle or benign Mother"—used by students speaking of their universities.

Par—Level or average.

Au revoir (Fr.)—Good-bye; farewell.

Billet-doux (Fr.)—Love-letter.

Bona fide (Lat.)—(Pronounced bo-na fi-de)—In good faith.

Bon-mot (Fr.)—A witty saying.

Bon-vivant (Fr.)—A good fellow, jolly companion, high liver.

Book of books—The Bible.

Bourgeois (Fr.)—A citizen of the trading class.

Carte blanche (Fr.)—Unconditional terms.

Causa sine qua non (Lat.)—An indispensable cause.

Chef-d'oeuvre (Fr.)—Masterpiece.

Comme il faut (Fr.)—As it should be.

Coup d'ètat (Fr.)—Stroke of state, sudden and decisive blow, measures taken by a government when a State is thought to be in danger.

Coup de grace (Fr.)—Stroke of mercy; the finishing stroke.

Debût (Fr.)—First appearance, the beginning of an enterprise.

Denouement (Fr.)—An unravelling or winding up; the end.

Ensemble (Fr.)—The whole, taken together.

En tout (Fr.)—In all, wholly.

Entrée (Fr.)—Entrance.

Esprit de corps (Fr.)—The spirit of honor which guides the principles and actions of a group.

Excelsior (Lat.)—Higher, onward, upward.

Ex officio (Lat.)—By virtue of his office; officially.

Extempore (Lat.)—Without premeditation.

Facsimile (Lat.)—An exact copy.

Faux pas (Fr.)—A false step, mistake.

Gerrymander—(American Political expression) An attempt to divide a State into districts, so that one political party shall obtain more than its just share of representatives.

Gratis (Lat.)—Free of cost.

Habeas corpus (Lat.)—"You are to have the body"—a writ of right, by virtue of which any citizen can, when imprisoned, demand to be put on trial.

Hara-kiri (Jap.)—Official suicide of Japan; means "happy dispatch."

Hoi-polloi (Gr.)—The many, the people of multitude.

Honi soit qui mal y pense (Fr.)—"Evil be to him who evil thinks."

Hors de combat (Fr.)—Out of condition for fighting, due to wounds; death or demoralization due to defeat.

Ici on parle Francais (Fr.)—Here French is spoken.

Idem (Lat.)—The same.

Id est (Lat.)—That is.

In actu (Lat.)—In reality.

In capite (Lat.)—In chief.

Incognito (Lat.)—Unknown.

In initio (Lat.)—In the beginning, at the outset.

In loco (Lat.)—In the place.

Foreign Phrases—(Concluded)

In memoriam (Lat.)—To the memory of.
In pace (Lat.)—In peace.
Inter se (Lat.)—Among themselves.
In toto (Lat.)—Wholly, entirely.
Ipso facto (Lat.)—By the very fact, by the fact itself.
Je ne sais quoi (Fr.)—I-know-not-what; something indefinite.
Jeu d'esprit (Fr.)—Witticism.
Jour de fête (Fr.) Festival.
Laissez faire (Fr.) Let alone; no interference.
Lapsus linguae (Lat.)—Slip of the tongue.
Literati (Lat.)—Men of letters.
Mon ami (Fr.)—My friend.
Ma chère (Fr.)—My dear.
Magnum opus (Lat.)—A great word.
Maître d'hotel (Fr.)—A house steward.
Mèlange (Fr.)—A medley.
Mènage (Fr.)—Household.
Meum et teum (Lat.)—Mine and thine.
Modus operandi (Lat.)—Way of doing it.
Noblesse oblige (Fr.)—Nobility binds to noble obligation.
Nom de plume (Fr.)—Pen-name; a writer's assumed title.
Non sequitur (Lat.)—It does not follow, it is not a necessary deduction.
Pater noster (Lat.)—Our father.
Per capita (Lat.)—By the heads, individually.
Per diem (Lat.)—By the day.
Per se (Lat.)—By itself, of itself.
Post mortem (Lat.)—After death.
Prendre congé (Fr.)—To take leave.
Prima facie (Lat.)—On the first view of the matter.
Pro bono publico (Lat.)—For the public good.
Pro rata (Lat.)—Proportionately.
Pro tem (Lat.)—For the time being.
Q. E. D.—Which was to be proved.
Quasi—Apparently, in a manner.
Raison d'être (Fr.)—Reason of its being or existence.
Requiescat in pace ("R. I. P.") (Lat.)—Rest in pease.
"R. S. V. P." (Fr.)—Rèpondez s'il vous plait—Answer, please.
Sans souci (Fr.)—Without care.
Savoir-faire (Fr.)—Knowledge of how to act; management; wits.
Savoir-vivre (Fr.)—The art of living.
Sine qua non (Lat.)—An indispensable condition—a thing absolutely indispensable.
Sotto voce—In an undertone.
Subpoena (Lat.)—Under a penalty, summons to attend court as a witness.
Sub rosa—Under the rose; privately, secretly.
Summum bonum (Lat.)—The highest good, the thing most desirable.
Tout ensemble (Fr.)—All together; general effect.
Table d'hôte (Fr.)—The table of the house, a regular meal in full.
A la carte (Fr.)—By the card—food ordered at random.
Terra firma (Lat.)—Solid ground; the earth.
Tête-à-tête (Fr.)—A conversation between two parties.
Vice-versa—Turned around.
Rendezvous (Fr.)—A meeting place; an engagement.
Verbatim (Lat.)—Word for word.
Vis-à-vis (Fr.)—Face to face.
Vox populi (Lat.)—The voice of the people.

BOUNDARIES OF PHILADELPHIA WARDS

1st.—Beginning Wharton Street and Delaware River, to Passyunk road, to Mifflin Street, to River Delaware and to place of beginning.

2nd.—Between River Delaware and Broad; Wharton to Passyunk Avenue, to Ellsworth, to Broad, to Christian, to Delaware River, to Wharton.

3d.—Broad to Fitzwater, to Passyunk Avenue, to Fitzwater, to Swanson, to Fitzwater, to Delaware River, to Christian, to Broad.

4th.—Broad Street to Fitzwater, to Passyunk Avenue, to Fitzwater, to Swanson, to Fitzwater, to Delaware River, to South, to Broad.

5th.—Seventh and River Delaware, and South and Chestnut.

6th.—Seventh and River Delaware, and Chestnut and Vine.

7th.—Seventh and River Schuylkill, and South and Spruce.

8th.—Seventh and River Schuylkill, and Chestnut and Spruce.

9th.—Seventh and River Schuylkill, and Chestnut and Arch.

10th.—Seventh and River Schuylkill, and Arch and Vine.

11th.—Third and River Delaware, and Vine and Poplar.

12th.—Sixth and Third, Vine and Poplar.

13th.—Sixth and Tenth, Vine and Poplar.

14th.—Tenth and Broad, Vine and Poplar.

15th.—Between Broad and River Schuylkill, and Vine and Poplar.

16th.—Starting at Laurel and River Delaware; Laurel to Frankford Avenue, to Girard Avenue, to Sixth, to Poplar, to Delaware River, to Laurel.

17th.—Oxford, Frankford Avenue, Girard Avenue, and Sixth.

18th.—Beginning at Laurel Street and River Delaware; Laurel to Frankford Avenue, Norris to Aramingo Avenue, to Lehigh Avenue, to River Delaware.

19th.—Beginning at Frankford Avenue and Norris; Frankford Avenue to Oxford, to Sixth, to Germantown Avenue, to Lehigh Avenue, to Kensington Avenue, to Front, to Norris, to Frankford Avenue.

20th.—Beginning at Broad and Poplar; to Sixth, to Susquehanna Avenue, to Eleventh, to Montgomery Avenue, to Broad, to Poplar.

21st.—Beginning at School lane and River Schuylkill; School lane to Wissahickon Avenue, to County Line, to River Schuylkill.

22nd.—Stenton Avenue, Northwestern Avenue, Wissahickon Avenue, Roberts Avenue, Germantown Avenue, Stenton Avenue, W. Logan Street, P. & R. R., to beginning.

23d.—Frankford Creek, Castor Avenue, Cheltenham Avenue, Dark Run Lane, Delaware River.

24th.—River Schuylkill, Market Street, Forty-sixth Street, Haverford, Forty-fourth Street, Belmont Avenue, City Avenue.

Boundaries of Philadelphia Wards—(Continued)

25th.—Beginning Lehigh Avenue and Kensington Avenue, thence along Kensington Avenue, to Allegheny, to Delaware River, to Lehigh Avenue, to Kensington Avenue, to beginning.

26th.—Passyunk Avenue and Ellsworth, along Passyunk to Broad, to Back Channel, to Eighteenth, to Washington Avenue, to Broad, to Ellsworth, to Passyunk Avenue.

27th.—Beginning at Gray's Ferry Avenue and Schuylkill River; thence along Gray's Ferry Avenue to Forty-seventh Street, to Paschall Avenue, to Forty-sixth Street, to Kingsessing Avenue, to Forty-fifth Street, to Market Street, to Schuylkill River, Susquehanna to Lehigh Avenue.

28th.—Broad Street to Schuylkill River, Susquehanna to Lehigh Avenue.

29th.—Between Montgomery Avenue and Poplar Street; on the east by West College Avenue, North College Avenue and Twenty-third Street, and on the west by Schuylkill River.

30th.—Starting at Broad and South; along South to the Schuylkill, to Ellsworth, to Gray's Ferry Road, to Washington Avenue, to starting point on Broad Street.

31st.—Front, Norris, Kensington Avenue, Lehigh Avenue, Aramingo Avenue.

32nd.—Schuylkill River and Montgomery Avenue, Eleventh, Susquehanna Avenue.

33d. — Lehigh Avenue, Kensington Avenue, Frankford Avenue, Tacony Creek, Wingohocking Avenue, Fifth Street.

34th. — Beginning Fifty-fourth and Market Streets; thence along Fifty-fourth Street to Lancaster Avenue, to Fifty-second Street, to southern boundary of Fairmount Park, to Belmont Avenue, to City Line, to Cobb's Creek, to Market Street, to beginning.

35th.—Tacony Creek, Castor Avenue, Cheltenham Avenue, Dark Run Lane, Frankford Avenue, Poquessing Creek, Montgomery County Line, Right of Way of the Philadelphia-Newtown and N. Y. R. R., and Cheltenham Avenue.

36th.—Beginning at 18th Street and Washington Avenue, thence on Washington Avenue to Gray's Ferry Avenue, to Ellsworth Street, to Schuylkill River, to Moore Street, to 18th Street, to Washington Avenue.

37th. — Broad Street, Germantown Avenue and Susquehanna Avenue.

38th.—Broad Street and Germantown Avenue, Roberts and Wissahickon Avenues, School Lane, Schuylkill River and Lehigh Avenue.

39th.—Beginning at Mifflin Street and River Delaware; along Mifflin Street to Passyunk Road, to Broad Street, to Back Channel (including

Boundaries of Philadelphia Wards—(Concluded)

League Island), to Delaware River, to place of beginning.

40th.—Beginning at Gray's Ferry Avenue and Schuylkill River; to Forty-seventh Street, to Paschall Avenue, to Forty-sixth Street, to Kingsessing Avenue, to West Chester Railroad, to Fiftieth Street, to Baltimore Avenue, to Cobb's Creek, to Bow Creek, to Back Channel and County line, to Delaware River, Schuylkill River and place of beginning.

41st.—Frankford Avenue to Poquessing Creek, to Delaware River, to Dark Run lane, to Frankford Avenue.

42nd.—Cheltenham Avenue, Cresheim Avenue, Stenton Avenue, P. & R. R., W. Logan Street, Stenton Avenue, Germantown Avenue, Wingohocking Avenue, Tacony Creek, to place of beginning.

43d.—Lehigh Avenue, Fifth Street, Wingohocking Avenue, Germantown Avenue.

44th.—Beginning Market and Forty-sixth Streets; thence to Fifty-fourth Street, to Lancaster Avenue, to Fifty-second Street, to Parkside Avenue, to Belmont Avenue, to Haverford Avenue, to Forty-sixth Street, to beginning.

45th.—Beginning at Kensington Avenue and Allegheny Avenue; thence along Kensington Avenue to Frankford Creek, to Delaware River, to Allegheny Avenue to beginning.

46th.—Beginning at Market and Forty-fifth Streets; thence along Market Street to Cobb's Creek, to Baltimore Avenue, to Fiftieth Street, to West Chester Branch Pennsylvania Railroad, to Kingsessing Avenue, to Forty-fifth Street, to beginning.

47th.—Between Montgomery Avenue and Poplar Street; on the east by Broad Street, and on the west by West College Avenue, North College Avenue, and Twenty-third Street.

48th.—Beginning at 18th and Moore Streets; thence on Moore Street to Schuylkill River, to Back Channel, to 18th Street, to Moore Street.

Average Number of Words Per Square Inch of Type

5	-point type:	solid, 69 words;	1-point leaded, 59 words
5½	-point type:	solid, 54 words;	2-point leaded, 45 words
6	-point type:	solid, 47 words;	2-point leaded, 34 words
8	-point type;	solid, 32 words;	2-point leaded, 23 words
9	-point type:	solid, 28 words;	2-point leaded, 21 words
10	-point type:	solid, 21 words;	2-point leaded, 16 words
12	-point type:	solid, 14 words;	2-point leaded, 11 words
14	-point type:	solid, 10 words;	2-point leaded, 9 words
18	-point type:	solid, 7 words;	2-point leaded, 6 words

"Leaded" means extra space between lines (2 points, unless otherwise specified).

MOTORBUS ROUTES WITHIN PHILADELPHIA

Route A—Frankford-City Hall.— From Juniper and Market Streets buses operate over Juniper Street, Filbert Street, Parkway, Fairmount Avenue Drive, Sedgeley Drive, 33rd Street, Lehigh Avenue, Chalmers Avenue, 29th Street, Hunting Park Avenue, Roosevelt Boulevard, Pratt Street to Frankford Avenue and Bridge Street, the northern terminus of the Frankford Elevated.

Route B — Frankford-Trenton-Frankford-Somerton Line. — From Margaret-Orthodox Station of Frankford Elevated on Arrott Street, Griscom Street, Oxford Avenue, Roosevelt Boulevard to Bensalem Avenue to the Lincoln Highway, thence through Parkland, Langhorne, and Morrisville to Trenton. Somerton Branch diverges at Southampton Road.

Route C—Broad Street Line.— *Southbound*: 72nd Ave. and City Line, on Broad St., Nedro Ave., 13th St., Olney Ave., York Road, Windrim Ave., 15th St., Belfield Ave., Courtland St., 9th St., Rising Sun Ave., Broad St., Thompson St., 15th St., Parkway, West Broad St., South Penn Square, South Broad St. to Navy Yard gate.

Northbound: Navy Yard gate, on Broad St., South Penn Square, Juniper St., Filbert St., Parkway, 16th St., Thompson St., Broad St., Rising Sun Ave., 9th St., Courtland St., 13th St., Ruscoumb St., York Road, Olney Ave., 13th St., Nedro Ave., Broad St. to 72 Ave. (City Line).

Route C—10th and Somerville Division. — *Southbound* — 10th and Somerville Ave., on 10th St., Wyoming Ave., 9th St., Rising Sun Ave., Broad St., Thompson St., 15th St., Parkway, West Broad St., South Penn Square, South Broad St. to Navy Yard gate.

Northbound: Navy Yard gate, on Broad St., South Penn Square, Juniper St., Filbert St., Parkway, 16th St., Thompson St., Broad St., Rising Sun Ave., 9th St., Wyoming Ave., 10th St. to Somerville Ave.

Route D—Walnut Street Line.— Beginning at Broad and Sansom Streets, on Broad Street, Locust Street, 18th Street, Walnut Street, 19th Street, Locust Street, 23rd Street, Walnut Street, 63rd Street, Market Street, to 69th and Market Streets. Wycombe branch operates via 63rd Street, and Marshall Road to Wycombe Station.

Route E—Roxborough-Germantown Line. — From Ridge Avenue and Walnut Lane on Ridge Avenue, Jamestown Street, Houghton Street, Walnut Lane, Park Line Drive, Hortter Street, Green Street, Walnut Lane, Germantown Avenue, to Germantown and Chelten Avenues.

Route F—Cobb's Creek Boulevard Line.—From 61st Street and Baltimore Avenue, on 61st Street, Cobb's Creek Parkway, 63rd Street,

Motorbus Routes Within Philadelphia—(Continued)

Lancaster Avenue, City Line Avenue to 63rd Street and City Line Avenue.

Route G — 56th Street Line.—From 63rd Street and Malvern Avenue, on 63rd Street, Lancaster Avenue, 56th Street, Christian Street, Baltimore Avenue, Thomas Avenue, 54th Street, Grays Avenue, Gibson Avenue, to 54th Street and Gibson Avenue.

Route H—Hunting Park-Stenton Line—From 22nd and Venango Streets, on Venango Street, Wissahickon Avenue, Manheim Street, Green Street, Washington Lane to Stenton Avenue. Mt. Airy trips continue to Stenton and Mt. Airy Avenues.

Route K — Frankford-Chestnut Hill Line—From Frankford Avenue and Arrott Street, on Arrott Street, Griscom Street, Oxford Avenue, Foulkrod Street, Roosevelt Boulevard, Adams Avenue, Tabor Road, Mascher Street, Chew Street, 5th Street, 66th Avenue, Broad Street, 67th Avenue, 20th Street, 66th Avenue, Stenton Avenue, Graver's Lane, Germantown Avenue, Chestnut Avenue to Bethlehem Avenue (Chestnut Hill).

Route N (a) — Frankford-Fox Chase—From intersection of Frankford Avenue and Bustleton, on Bustleton Avenue to Foust Street, Foust Street to Oxford Circle, Oxford Avenue to Verree Road, Verree Road to Rhawn Street, Rhawn Street to D Street, D Street to Hoffnagle Street, on Hoffnagle Street to Pine Road, on Pine Road to Huntingdon Turnpike, on Huntingdon Turnpike to Fillmore Street.

Route N (b) — Frankford-Fox Chase via Cheltenham—From the intersection of Frankford Avenue and Bustleton Avenue on Bustleton Avenue to Foust Street, on Foust Street to Oxford Circle, on Oxford Avenue to Martin's Mill Road, on Martin's Mill Road to the Philadelphia County Line, continuing in Montgomery County on Martin's Mill Road (Old Soldiers' Road) to Ryers Avenue, on Ryers Avenue to Jefferson Street, on Jefferson Street to Central Avenue, on Central Avenue to Philadelphia County Line, entering the City of Philadelphia at Cottman Street and continuing on Central Avenue to Hasbrook Avenue, on Hasbrook Avenue to Huntingdon Turnpike, on Huntingdon Turnpike to Fillmore Street (Philadelphia County Line).

Route O—Logan-Fox Chase—From the intersection of Broad Street and Windrim Avenue in Philadelphia, on Broad Street to Wagner Avenue, on Wagner Avenue to Olney Avenue, on Olney Avenue to Fifth Street, on Fifth Street to Chelten Avenue, on Chelten Avenue to Seventh Street, on

Motorbus Routes—(Continued)

Seventh Street to Oak Lane Avenue, on Oak Lane Avenue to Cheltenham Avenue (City Line), on Cheltenham Avenue to Oak Lane Road, continuing in Montgomery County on Oak Lane Road to Ashbourne Road (Cheltenham Road) on Ashbourne Road to Ryers Avenue, on Ryers Avenue to Jefferson Avenue, on Jefferson Avenue to Central Avenue, on Central Avenue to Philadelphia County Line, entering the City of Philadelphia at Cottman Street and continuing on Central Avenue to Hasbrook Avenue, on Hasbrook Avenue to Huntingdon Turnpike, on Huntingdon Avenue to Fillmore Street (Philadelphia County Line).

Route Q—Delaware Avenue—From intersection of Delaware Avenue and Oregon Avenue, on Delaware Avenue to Dyott Street, on Dyott Street to Norris Street.

Route S — Belfield-Mt. Airy—From the intersection of Broad Street and Wingohocking Street, on Wingohocking Street to Belfield Avenue, on Belfield Avenue to Morton Street, on Morton Street to Locust Street, on Locust Street to Chew Street, on Chew Street to Mt. Airy Avenue, on Mt. Airy Avenue to Boyer Street.

Route T—Tacony Line—From intersection of Frankford Avenue and Church Street, on Church Street to Paul Street, to Ruan Street, to Torresdale Avenue, to Church Street, to Tacony Street, to Rhawn Street to Frankford Avenue, Charles Street to Decatur Street to Frankford Avenue to Rhawn Street.

Motorbus Routes Between Philadelphia and West Jersey Points

Route No. 2, City Hall to P. & R. Ferry, Camden—*Short leg*—From City Hall on Market to 7th, to Bridge, to Broadway, Camden, to Mickle St., to terminus at 6th and Mickle Sts., returning over Mickle St. to 6th St. to Haddon Ave. to 7th St., to Linden St., over bridge to 7th St., to Market St. to City Hall.

Long leg—From City Hall-Market St., 7th St. over Bridge, to Broadway, to Mechanic St., to Reading Ferries, returning over Mechanic St. to 6th St., to Haddon Ave., to 7th, to Linden, over bridge, to 7th St., to Market St., to City Hall.

Route No. 3—From 22nd and Race Sts. on Race St., over Bridge, to Broadway, Camden, to Mickle St. to terminus at 6th & Mickle, returning over Mickle St. to 6th St. to Haddon Ave. to 7th St., to Linden St., over Bridge, Vine St. to 22nd to point of beginning.

Motorbus Routes—Philadelphia and West Jersey—(Concluded)

Route No. 4. — Beginning at Bridge Plaza on Philadelphia side—Bridge, 6th St., Penn St., 8th St., Linden Ave., and over Bridge to the place of beginning.

Route No. 5, City Hall, Philadelphia, to Moorestown, N. J.—From Juniper and Market Sts., via Market St. to 7th St., to Race St., to Delaware River Bridge, to 7th St. in Camden, to Federal St., to Maple Ave., to Camden Ave., and Main St., through Camden, Merchantville, Colwick, Maple Shade, Lenola, to Main St. and Burton Landing Road in Moorestown, N. J. Running Time, 50 minutes.

Route No. 6, Barrington and Haddon Heights. — From Juniper and Market Sts., Philadelphia, encircle City Hall, then on Market St., to 7th St., to Race St., to Delaware River Bridge, crossing Bridge to Penn St., Camden, then on Penn St., Crescent Boulevard, Starr Ave., Mt. Ephraim Ave., Haddon Ave., and White Horse Pike, through Camden, Collingswood, Oaklyn, Audubon and Haddon Heights, to Barrington Station, N. J., returning over the same route to Crescent Boulevard, to Linden St., to Delaware River Bridge, to 6th St., Philadelphia, to Market St. to Juniper and Market Sts.

Route No. 9—City Hall (Philadelphia) over Market St. to 7th St., over Bridge to 7th St. (Camden) to State St., to River Road through Palmyra and Riverton (Broad St. in Palmyra and Riverton) to Riverside, River Road through Delanco, Beverly, and Edgewater Park to Burlington, returning over same route, using 6th St. instead of 7th St. in Philadelphia.

Route No. 10—From Frankford Ave. and Bridge St., on Frankford Ave. to Robbins, to Torresdale Ave., to Levick, to Palmyra Ferry to Cinnaminson St., to River Road (Broad St. in Palmyra and Riverton); thence north on River Road to Riverside.

To Find Dimensions

TO find circumference of a circle, multiply diameter by 3.1416.

To find diameter of a circle, multiply circumference by .31831.

To find area of a circle, multiply square of diameter by .7854.

To find area of a triangle, multiply base by one-half perpendicular height.

To find surface of a ball, multiply square of diameter by 3.1416.

To find solidity of a sphere, multiply cube of diameter by .5236.

To find cubic inches in a ball, multiply cube of diameter by .5236.

A cubic foot of water contains 7½ gallons, 1728 cubic inches, and weighs 62½ pounds.

FREE LIBRARIES IN PHILADELPHIA

Main Library—Logan Circle, 19th and Vine Street. Open (Main Depts.) 9 A. M. to 10 P. M.; Children's Dept., 9 A. M. to 7 P. M.; Blind, 9 A. M. to 5 P. M.

Chestnut Hill Branch—8711 Germantown Avenue. Open 9 A. M. to 9 P. M.

Cobb's Creek Branch—Fifty-ninth Street, Baltimore Avenue and Coob's Creek Parkway. Open 9 A. M. to 9 P. M.

Falls of Schuylkill Branch—Midvale Avenue and Warden Drive. Open 9 A. M. to 9 P. M.

Frankford Branch—Frankford Avenue and Overington Street. Open 9 A. M. to 9 P. M.

Germantown Branch — Vernon Park, Germantown. Open 9 A. M. to 9 P. M.

Haddington Branch — Sixty-fifth Street and Girard Avenue. Open 9 A. M. to 9 P. M.

Holmesburg (Thomas Holme) Branch—Frankford Avenue and Hartel Street. Open 9 A. M. to 9 P. M.

Kensington Branch — 2055 East Dauphin Street. Open 9 A. M. to 9 P. M.

Kingsessing Branch — Fifty-first Street, below Chester Avenue. Open 9 A. M. to 9 P. M.

Lehigh Avenue Branch — Lehigh Avenue and Sixth Street. Open 9 A. M. to 9 P. M.

Logan Branch—Wagner Avenue and Old York Road. Open 9 A. M. to 9 P. M.

Manayunk Branch—Fleming and Dupont Streets. Open 9 A. M. to 9 P. M.

McPherson Square Branch — Indiana Avenue and F Street. Open 9 A. M. to 9 P. M.

Nicetown Branch—Hunting Park and Wayne Avenues. Open 9 A. M. to 9 P. M.

Oak Lane Branch—Oak Lane and Twelfth Street. Open 9 A. M. to 9 P. M.

Paschalville Branch — Seventieth Street and Woodland Avenue. Open 9 A. M. to 9 P. M.

Passyunk Branch—Twentieth and Shunk Streets.

Richmond Branch—Indiana Avenue and Almond Street.

Ryerss Library and Museum—Burholme Park. Open 9 to 5.

South Philadelphia Branch—2407-17 South Broad Street.

Southwark Branch—Fifth and Ellsworth Streets.

Spring Garden Branch — Seventeenth and Spring Garden Streets.

Tacony Branch—Torresdale Avenue and Knorr Street.

Wagner Institute Branch—Seventeenth Street and Montgomery Avenue.

John Wanamaker Branch—2123-2127 South Street.

West Philadelphia Branch—Fortieth and Walnut Streets.

Wharton Street Branch—1415-1417 Wharton Street.

Widener Branch — 1200 North Broad Street. Open 9 to 5.

Wissahickon Branch — Manayunk Avenue and Osborn Street.

George Institute Library, Deposit Station—Fifty-second Street below Lancaster Avenue. Open 9 to 5.

Lovett Memorial Library, Deposit Station—6945 Germantown Avenue. Open 3 to 9 P. M.

James W. Queen Memorial Library, Deposit Station—Thirty-third and Wharton Streets. Open Monday, Wednesday and Friday, 3.30 to 9 P. M.

St. Martha's House, Deposit Station—2029 S. Eighth Street. Open Monday and Friday, 3.30 to 9 P. M.; Saturday, 1 to 5 P. M.

PRINCIPAL BRIDGES IN PHILADELPHIA

	Type of Bridge	Length	Built	Cost
Over Schuylkill River:				
Penrose Ferry	Draw	800 feet	1877-8	$375,000
Passyunk Avenue	Bascule-Electric Draw	1,310 feet	1911	590,000
Gray's Ferry	Electric Draw	1,660 feet	1899-01	469,000
South Street	Bascule-Electric Draw	576 feet	1923	644,000
Walnut Street	Pratt Truss Deck	2,404 feet	1890-93	752,000
Chestnut Street	Iron Arch	1,528 feet	1866	495,000
Market Street	Cantilever	550 feet	1887	300,000
Spring Garden	Double-Deck Truss	2,730 feet	1876	2,500,000
Girard Avenue	Deck Truss, 100 ft. wide	1,000 feet	1874	1,525,000
Falls Bridge	Double-Deck Truss	560 feet	1895	262,000
City Avenue	Deck Truss	712 feet	1889	102,000
Over Frankford Creek:				
Wyoming Avenue	Steel Viaduct	769 feet	1895	71,000
Wyoming Avenue	Two Concrete Arches	200 feet	1907	103,000
Bridge Street	Electric Draw	127 feet	1895	41,000
Over Cresheim Creek:				
McCallum Street	Steel Viaduct	540 feet	1891	43,000
Over Tacony Creek:				
Roosevelt Boulevard	Three Concrete Arches	360 feet	1909	100,000
Over Pennypack Creek:				
Holme Avenue	Concrete	350 feet	1915	71,000
Bensalem Avenue	Concrete Arches	580 feet	1920	250,000
Over Wissahickon Creek:				
Walnut Lane	Concrete Arches	520 feet	1906-8	229,000
Over P. R. R. (Main Line):				
Fortieth Street	Steel, concrete incased	325 feet	1923	290,000
Forty-second Street	Steel Arch	250 feet	1910	78,500
Belmont and Girard Ave.	Steel, concrete incased	123 feet	1909	72,000
Over Phila., Gtn. & N. R. R.:				
17th and Indiana Ave.	Through Truss	130 feet	1903-4	73,000
Over P. & R. Ry., Richmond Br.:				
6th and Allegheny Ave.	Plate Girder	123 feet	1895	73,900
Cambria and A Streets	Steel, concrete incased	180 feet	1916	56,600
Over Connecting Railway:				
Oxford Street	Steel, concrete incased	107 feet	1921	75,000
Morris Street	Steel, concrete incased	60 feet	1921	50,000

SOME PHILADELPHIA OFFICE BUILDINGS

Abbott	Broad and Race
Aetna	312 Walnut
American Fire	308 Walnut
Atlantic	Broad and Spruce
Bailey	1218 Chestnut
Baker	1520 Chestnut
Bankers' Trust	Juniper and Walnut
Baxter	1414 South Penn Square
Bellevue Court	1418 Walnut
Bonbright	1520 Locust
Bourse	5th above Chestnut
Brown Brothers	4th and Chestnut
Bulletin, Evening	Juniper and Filbert
Bullitt	131 S. 4th
Burd	9th and Chestnut
Central Medical	18th and Chestnut
Central Trust	4th and Market
Chamber of Commerce	1129 Walnut
City Center	Broad and Cherry
City Hall	City Hall Square
Colonial Trust	13th and Market
Commercial Trust	15th and Market
Commercial Union	420 Walnut
Commonwealth Trust	12th and Chestnut
Crozer	1420 Chestnut
De Long	13th and Chestnut
Denckla	11th and Market
Drexel	5th and Chestnut
Earle	11th and Market
Elverson	Broad and Callowhill
Empire	13th and Walnut
Equitable	Broad and Locust
Federal, U. S.	9th and Chestnut
Federal Reserve Bank	925 Chestnut
Fidelity Mutual	114 N. Broad
Finance	1426 South Penn Square
Flanders	15th and Walnut
Fox	16th and Market
Franklin	133 S. 12th
Franklin Bank	1416 Chestnut and 1417 Sansom
Franklin Trust	1500 Chestnut
Fuller	10 S. 18th
Greble	1708 Chestnut
Gulf	1515 Locust
Harrison	15th and Market
Heed	1213 Filbert
Independence	5th and Walnut
Insurance Co. of North America	1600 Arch
Insurance Exchange	138 S. 4th
Jefferson	1017 Chestnut
Juniper	1324 Walnut
Keith	1118 Chestnut
Ladner	1501 Walnut
Lafayette	5th and Chestnut
Land Title	Broad and Chestnut
Lehigh	106 S. 4th
Liberty	Broad and Chestnut
Liberty Trust	Broad and Arch
Lincoln	Broad and S. Penn Square
Ludlow	34 S. 16th
Manhattan	4th and Walnut
Mariners and Merchants	3d and Chestnut
Medical Arts	16th and Walnut
Middle City	34 S. 17th
Morris	1421 Chestnut
Muhlenberg	13th and Spruce
Mulford	Broad and Wallace
Mutual Trust	1518 Walnut
North American	Broad and Sansom
Otis	16th and Sansom

(Continued on Page 436)

Some Philadelphia Office Buildings—(Concluded)

Packard	15th and Chestnut
Penfield	1328 Chestnut
Penn Mutual	6th and Walnut
Pennsylvania	15th and Chestnut
Peoples' Bank	22 S. 15th
Perry	16th and Chestnut
Philadelphia Bank	421 Chestnut
Pitcairn	11th and Arch
Presser	1712 Chestnut
Professional	1831 Chestnut
Provident	4th and Chestnut
Public Ledger	6th and Chestnut
Reading Terminal	12th and Market
Record	919 Chestnut
Reyburn-Bailey	1211 Chestnut
Robert Morris	919 Walnut
Roger Williams	1701 Chestnut
Schaff	1505 Race
Shubert	250 S. Broad
Social Service	311 S. Juniper
Stephen Girard	21 S. 12th
Stock Exchange	1411 Walnut
Terminal	46 N. 12th
Transportation	26 S. 15th
United Gas Improvement Co.	Broad and Arch
Vandam	1001 Chestnut
Washington Square	600 Chestnut
Weightman	1524 Chestnut
Wesley	17th and Arch
West End Trust	Broad and South Penn Square
Widener	Juniper and Chestnut
Witherspoon	Walnut and Juniper

Colors Have Their Language

COLORS frequently designate characteristics or temper: i.e. "Brown study," "Black melancholy," "Blue devils," "Green-eyed monster," "Yellow-livered," "Blue stockings," "White feather," etc.

Pink is a happy color, and makes a kitchen a place of contentment for cooks. A blue and yellow room will soothe even a mortgage holder. Red, unless properly subdued, can make fur fly. It is the dynamic color of life, typifies blood and vigor, hence the term, "Flaming youth."

Black is the end or death. White means the beginning of things, as in birth and marriage robes. Gold is glory and power. Saffron is the confessor's color.

Violet signifies dignity. It is therefore used by venerable people, the clergy, the church, and royalty. Rose denotes martyrdom. Blue is for cold stability; the darker the blue, the more stable—for example, the dark-blue uniform of the navy. Baby-blue, although still cold, is warmer, because the newness of a baby entitles him to warmth. It is the color that denotes a boy baby. Pink is used for girl babies, for, being a shade of red, it denotes the life-giving function.

Red, with its virility, blue with its stability, and white to separate them, are the flag's best colors; blondes should avoid green, while red heads demand gray, blue, and green.

PHILADELPHIA STREETS

North and South on Market Street

occur in the following order. House numbers on streets running north and south go by hundreds, as indicated:

North of Market

1—Market.
Filbert.
100—Arch.
Cherry.
200—Race.
300—Vine.
400—Callowhill.
Wood.
Willow.
Noble.
Hamilton.
500—Buttonwood.
Spring Garden.
600—Green.
Mt. Vernon.
Wallace.
Melon.
700—Fairmount Ave.
Olive.
800—Brown.
Reno.
Parrish.
Ogden.
900—Poplar.
Laurel.
George.
1200—Girard Avenue.
Stiles.
1300—Thompson.
Seybert.
1400—Master.
Sharswood.
1500—Jefferson.
1600—Oxford.
1700—Columbia Ave.
1800—Montgomery Ave.
1900—Berks.
2000—Norris.
2100—Diamond.
2200—Susquehanna Ave.
2300—Dauphin.
2400—York.
2500—Cumberland.
2600—Huntingdon.
2700—Lehigh Avenue.
2800—Somerset.
2900—Cambria.
3000—Indiana.
3100—Clearfield.
3200—Allegheny Ave.
3300—Westmoreland.
3400—Ontario.
3500—Tioga.
3600—Venango.
3700—Erie Avenue.
3800—Butler.
3900—Pike.
4000—Luzerne
4100—Roxborough.
4200—Juniata.
4300—Bristol.
4400—Cayuga.
4500—Wingohocking.
4600—Courtland.
4700—Wyoming Ave.
4800—Louden.
4900—Rockland.
5000—Ruscomb.
5100—Lindley.
5200—Duncannon.
5300—Fisher's Ave.
5400—Somerville Ave.
5500—Clarkson Ave.
5600—Olney Ave.
5700—Chew.
5800—Grange.
5900—Nedro.
6000—Champlost.
6100—Spencer.
6200—Godfrey Ave.
6300—Medary.
6400—Chelten Ave.
6500—65th Ave.
6600—66th Ave.
6700—67th Ave.
6800—68th Ave.
6900—69th Ave.
7000—70th Ave.
7100—71st Ave.
7200—72nd Ave.
7300—73rd Ave.
7400—74th Ave.
7500—75th Ave.

Philadelphia Streets—(Continued)

South of Market

1—Market.
Ludlow.
100—Chestnut.
Sansom.
Dock.
200—Walnut.
Locust.
300—Spruce.
LeLancey.
400—Pine.
500—Lombard.
Gaskill.
600—South.
Kater.
700—Bainbridge.
Monroe.
Fitzwater.
800—Catharine.
900—Christian.
1000—Carpenter.
1100—Washington Ave.
Ellsworth.
1200—Federal.
1300—Wharton.
1400—Reed.
1500—Dickinson.
Greenwich.
1600—Tasker.
1700—Morris.
Watkins.
1800—Moore.
Siegel.
1900—Mifflin.
2000—McKean.
2100—Snyder Avenue.
2200—Jackson.
2300—Wolf.
2400—Ritner.
2500—Porter.
2600—Shunk.
2700—Oregon Avenue.
2800—Johnston.
2900—Bigler.
3000—Pollock.
3100—Packer.
3200—Curtin.
3300—Geary.
3400—Hartranft.
3500—Hoyt.
3600—Pattison Ave.
3700—Beaver Ave.
3800—Hastings Ave.
3900—Stone Ave.
4000—Pennypacker Ave.
4100—Stuart Ave.
4200—Tener Ave.
4300—Brumbaugh Ave.
44th—Avenue.
45th—Avenue.
Government Ave.
League Island.

Where the Ocean Mines Coal

ON the beach of Buckhaven, Scotland, the sea piles up coal some two or three feet thick. From the town come men, women and children with buckets, boxes, bags and wheelbarrows to get the family supply.

The coal is actually mined by the sea. Ground-swells break away the seams outcropping in the Firth of Forth, and slowly carry the treasure to the shore. In stormy weather the product greatly increases.—*New York World.*

Foreign Money Tables

English: 4 farthings equal 1 Penny (d); 12 Pence equal 1 Shilling (s); 20 Shillings equal 1 Pound (£); 21 Shillings equal 1 Guinea (Gu.).

French: 100 Centimes (c) equal 1 Franc (fr).

German: 100 Pfennige (pf) equal 1 Mark.

Dutch: 100 Cents equal 1 Florin or Guilder.

Italian: 100 Centesimi equal 1 Lira.

Spanish: 100 Centesimos equal 1 Peseta.

FOREIGN CONSULS AT PHILADELPHIA

Argentine Republic — Eduardo G. Rosas, Consul, 3807 Chestnut Street.

Austria-Hungary—(Vacant).

Belgium—Snowden Henry, Consul, 10 Chestnut Street.

Bolivia—Wilfred H. Schoff, Honorary Consul, Commercial Museum, 34th and Spruce Streets.

Brazil—Amynthas de Lima, Vice-Consul, 5938 Jefferson Street.

Chile — Enrique Bustos, Pennsylvania Hotel, Room 752, 3921 Chestnut Street.

China—(Vacant).

Colombia — Octavio Diaz Valenzuela, Consul, 468 Drexel Building.

Costa Rica—Timoteo Vaca Seydel, Honorary Consul; Edward E. Dougherty, Honorary Vice-Consul, 727 N. 63rd Street.

Cuba—Jose A. Ramos y Aguirre, Consul, 626 Public Ledger Building.

Denmark—L. T. Brehm, Vice-Consul, 227 N. Broad Street.

Dominican Republic — Rodman Wanamaker, Consul, 1300 Market Street

Ecuador—Luis A. Mata, Consul, Lit Brothers, 8th and Market Streets.

Finland — Norbert A. Considine, Vice-Consul, 716 Public Ledger Building.

France—Consulate, 328 Public Ledger Building.

Germany — W. A. Proetzel (in charge), 261 S. 4th Street.

Great Britain—Frederick Watson, Consul-General; Edward Waring Wilson, Theodore Harold Fox, Cecil C. A. Lee, Vice-Consuls, 263 South 4th Street.

Greece—(Vacant).

Guatemala—J. W. Purner, Honorary Consul, Philadelphia Chamber of Commerce, N. E. Cor. 12th and Walnut Streets.

Honduras—Charles Rinel, Jr., Consul, 1613 N. 16th Street.

Italy — Vittore Siciliani, Consul-General; Chevalier Armando Salati, Honorary Vice-Consul, 1715 Spruce Street.

Japan — J. Franklin McFadden, Honorary Consul, 115 Chestnut Street.

Latvia—(Vacant).

Liberia—Thomas J. Hunt, Consul, 608 Lafayette Building.

Mexico—Vincente Quijano, Consul; David R. Retana, Vice-Consul, Lafayette Building.

Netherlands—M. G. W. van Velzen, Consul, 208 S. 17th Street.

Nicaragua—Lorenzo Guerrero Potter, Consul-General, 260 S. 9th Street.

Norway—Mathias Moe, Consul, 305 Walnut Street.

Panama — Carlos Berguido, Jr., Consul, 1905 Morris Building.

Paraguay — Rodman Wanamaker, Consul-General, 1300 Market Street.

Persia—Haig Herant Pakradooni, Consul, Corner American and Chestnut Streets.

Peru — Manuel Fuentes, Consul, 3600 Chestnut Street.

Portugal — J. J. de Macedo, Jr., Vice-Consul, 125 S. 5th Street.

Roumania — Michael G. Marian, Consul, 226 Public Ledger Building.

Russia — William Tucker, Consul, 258 Bourse Building.

Foreign Consuls at Philadelphia—(Continued)

Salvador—M. Echeverria y Vidaurre, Consul, 1005 Market Street.

Siam—William E. Goodman, Consul, 919 Walnut Street.

Spain—Peodoro Varela, Consul, 125 S. 5th Street.

Sweden—Maurice A. Hogeland, Vice-Consul, 133 S. 12th Street.

Switzerland—Charles Vuilleumier, Consul, 1412 N. 16th Street.

Uruguay—Rodman Wanamaker, Consul, 1300 Market Street.

Venezuela—Dr. Carlos C. Colmenares, Consul, 1931 N. 23rd Street.

Philadelphia Consular Service

President, Frederick Watson — *Vice-President*, Eduardo G. Rosas

Secretary & Treasurer, Mathias Moe, 305 Walnut Street

SUBWAY AND ELEVATED STREET RAILWAYS IN PHILADELPHIA

Market Street Subway-Elevated Route

Eastbound: From Sixty-ninth and Market Sts., on Market St. Delaware Ave., to Delaware Ave. and South St.

Westbound: From Delaware Ave. and South St. on Delaware Ave., Market St. to Sixty-ninth and Market Sts.

Stations

69th and Market Sts.
Millbourne
63rd and Market Sts.
60th and Market Sts.
56th and Market Sts.
52nd and Market Sts.
46th and Market Sts.
40th and Market Sts.
36th and Market Sts.
32nd and Market Sts.
15th and Market Sts.
13th and Market Sts.
11th and Market Sts.
8th and Market Sts.
5th and Market Sts.
2nd and Market Sts.
Market-Chestnut St. Ferry
Delaware Ave. and South St.

Frankford Elevated Route

Eastbound: From 69th and Market Sts., on Market St., Front St., Kensington Ave., Frankford Ave., to Frankford Ave. and Bridge St.

Westbound: From Frankford Ave. and Bridge St., on Frankford Ave., Kensington Ave., Front St., Market St., to 69th and Market Sts.

Note: Between 1:00 A. M. and 5:30 A. M., all trains operate from 69th Street Terminal to Bridge Street Terminal (Frankford) during which period the Market-Chestnut and South Street stations are closed.

Stations

Fairmount
Girard
Berks
Dauphin-York
Huntingdon
Somerset
Allegheny
Tioga
Torresdale
Church
Orthodox-Margaret
Bridge Street Terminal

RADIO BROADCASTING STATION WOO—
The Wanamaker Store

WANAMAKER'S was the first store in America to erect wireless towers, and has maintained Marconi communication between New York and Philadelphia since 1911.

The powerful radio broadcasting station WOO is located on the Eleventh Floor, and the studio, a specially prepared sound-proof room with necessary musical instruments and electrical equipment for sending out news, speeches, concerts and varied entertainments, is on the second floor, adjoining Egyptian Hall. From here are sent out many concerts, organ recitals, lectures, et cetera.

Station WOO is the official weather forecasting station of the United States Government for Philadelphia. It retransmits the Arlington time signal (Naval Observatory time clock) every day (Sundays excepted) at noon and every evening at 10 o'clock. United States weather forecasts are broadcast at 11:30 A. M. and 10:02 P. M., Eastern Standard time.

Highly developed special apparatus for broadcasting the great organ is installed in the Grand Court. The recitals of the organ, the largest musical instrument in the world, broadcast through WOO, have been heard in Paris, in London, in South America, in California and in Oregon.

On March 4, 1925, WOO participated in the broadcasting of the inaugural address of President Coolidge, which was the first inauguration ceremony to be broadcast. WOO was heard in South Africa, Norway and throughout the British Isles.

Among noteworthy achievements by Station WOO was transmission across the ocean of a program of dance music, in conjunction with Station KDKA in Pittsburgh, on the evening of December 10, 1924. The music was heard so clearly and distinctly at the Hotel Savoy in London that patrons of the hotel were enabled to dance to it.

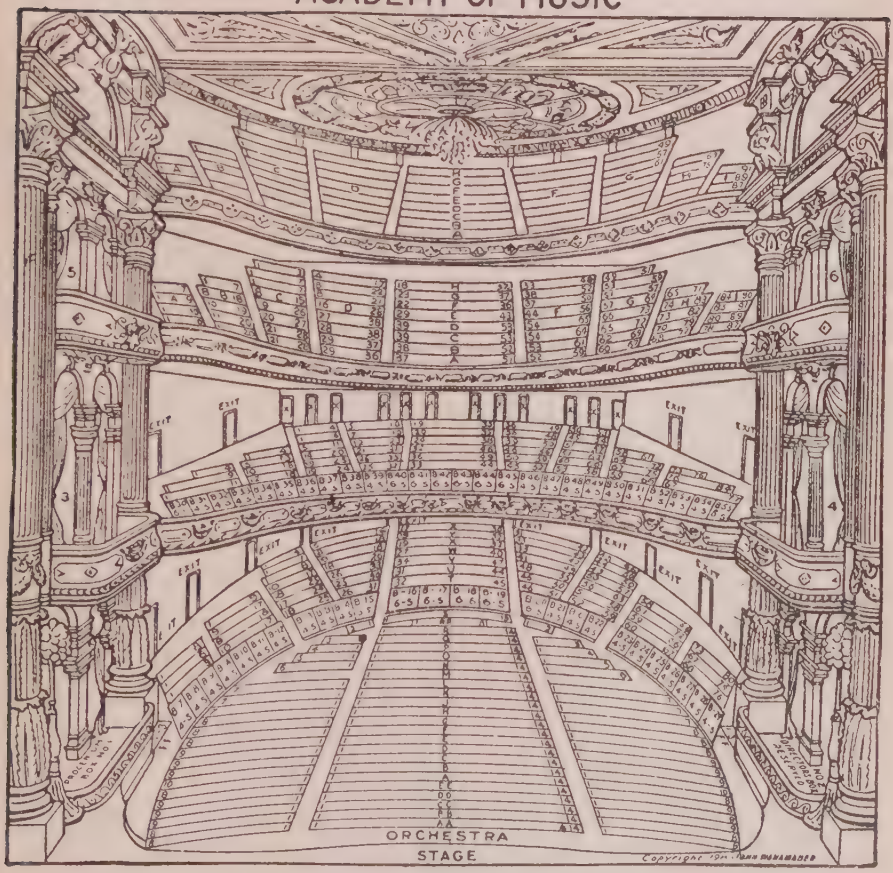
The stellar event of a notable program which signalized the opening of the Philadelphia Sesqui-Centennial Broadcasting Studio on May 25, 1926, was the simultaneous performance of Tschaikowsky's "1812" Overture by the Wanamaker Grand Organ and the John Wanamaker Commercial Institute band. Perfect synchronization was obtained, although organ and band were separated by a distance of several miles.

The Third Largest State

ILLINOIS is the third largest State in point of population, according to the census of 1920, which places the State's population at 6,485,280.

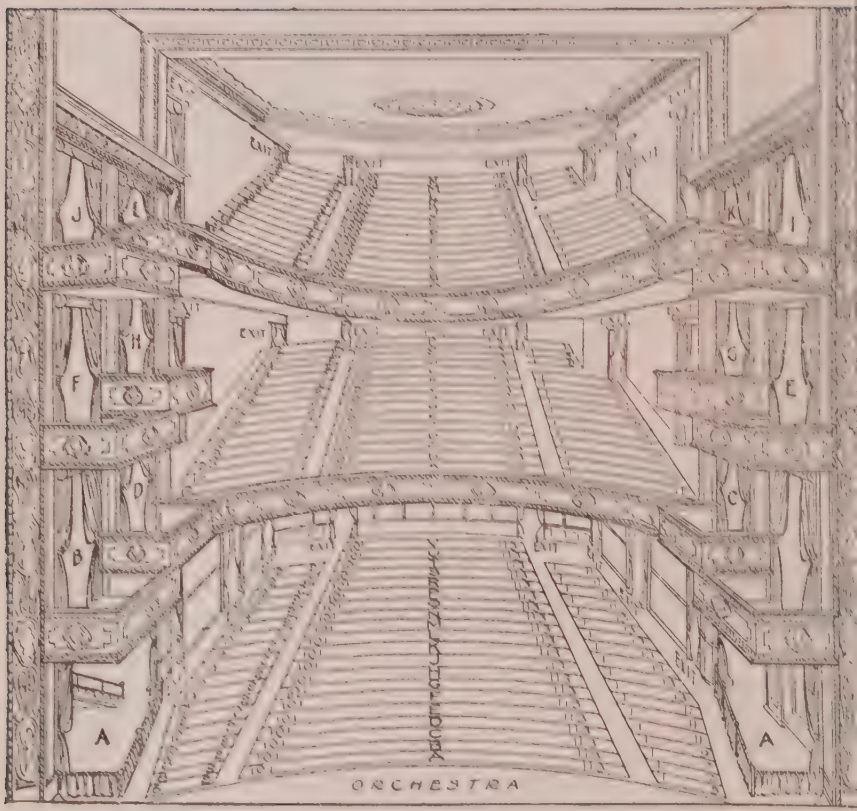
THEATRES OF PHILADELPHIA

ACADEMY OF MUSIC



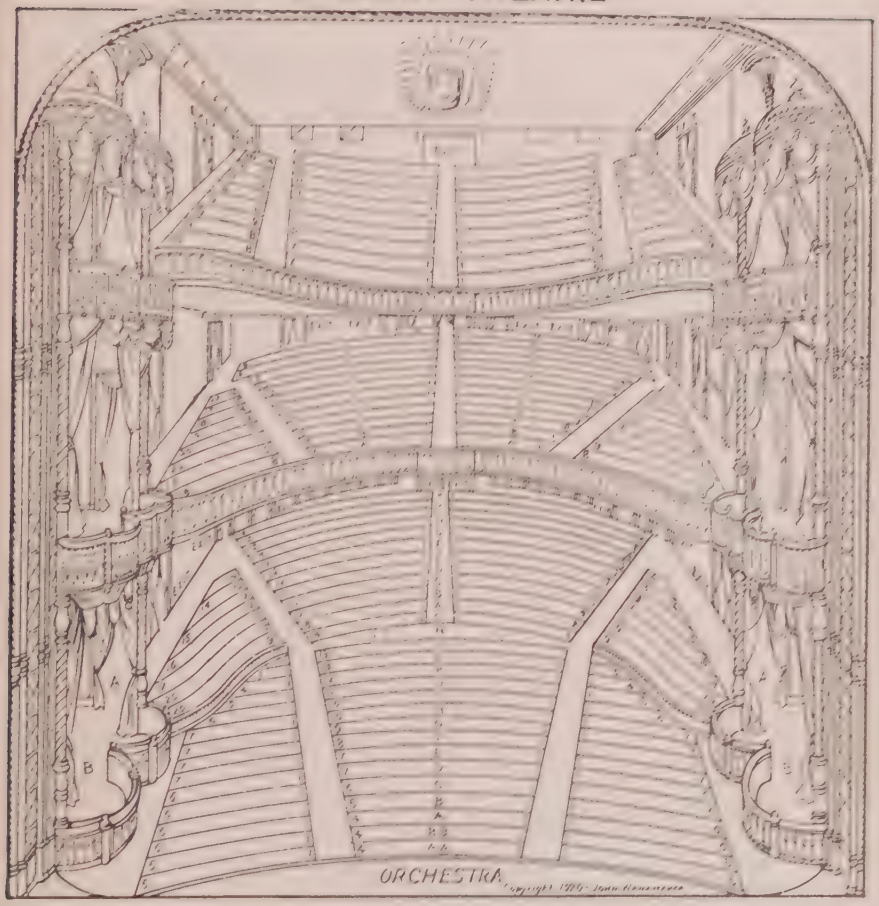
BROAD AND LOCUST STREETS

ADELPHI THEATRE



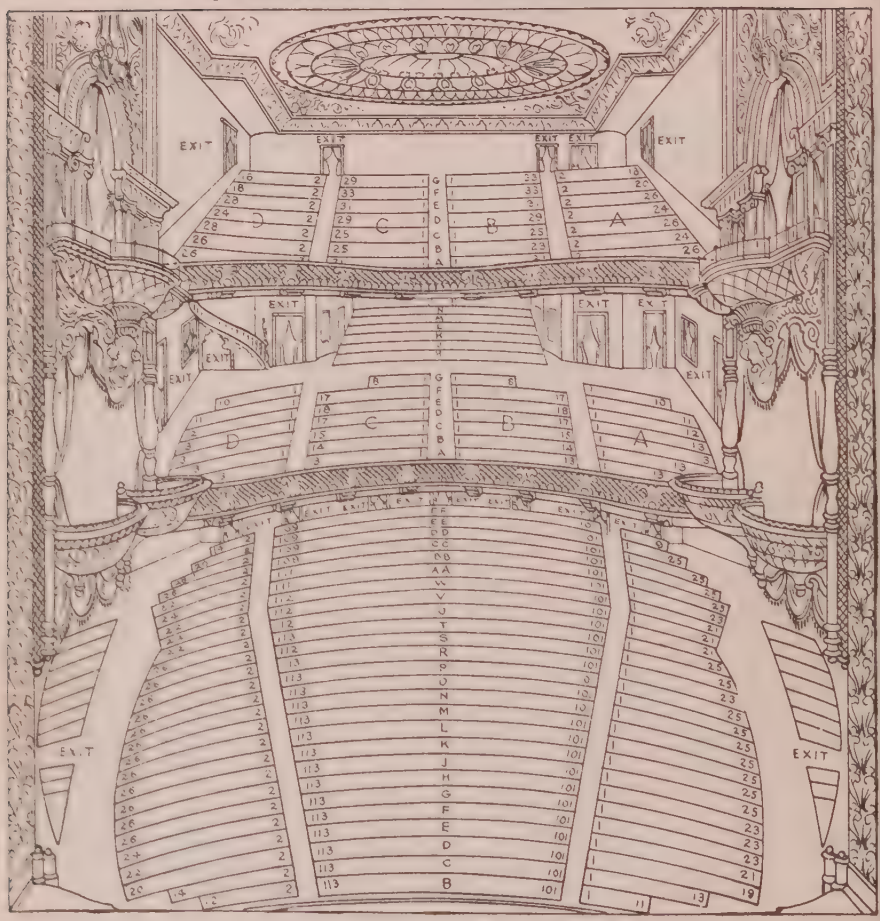
BROAD AND CHERRY STREETS

BROAD ST. THEATRE

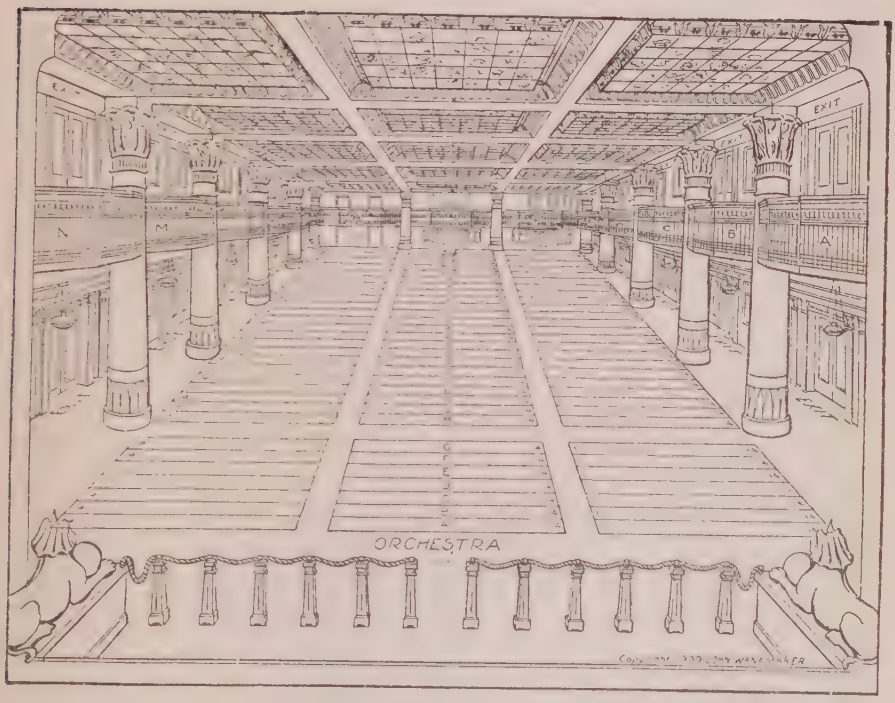


BROAD STREET, BELOW LOCUST

CHESTNUT ST. OPERA HOUSE

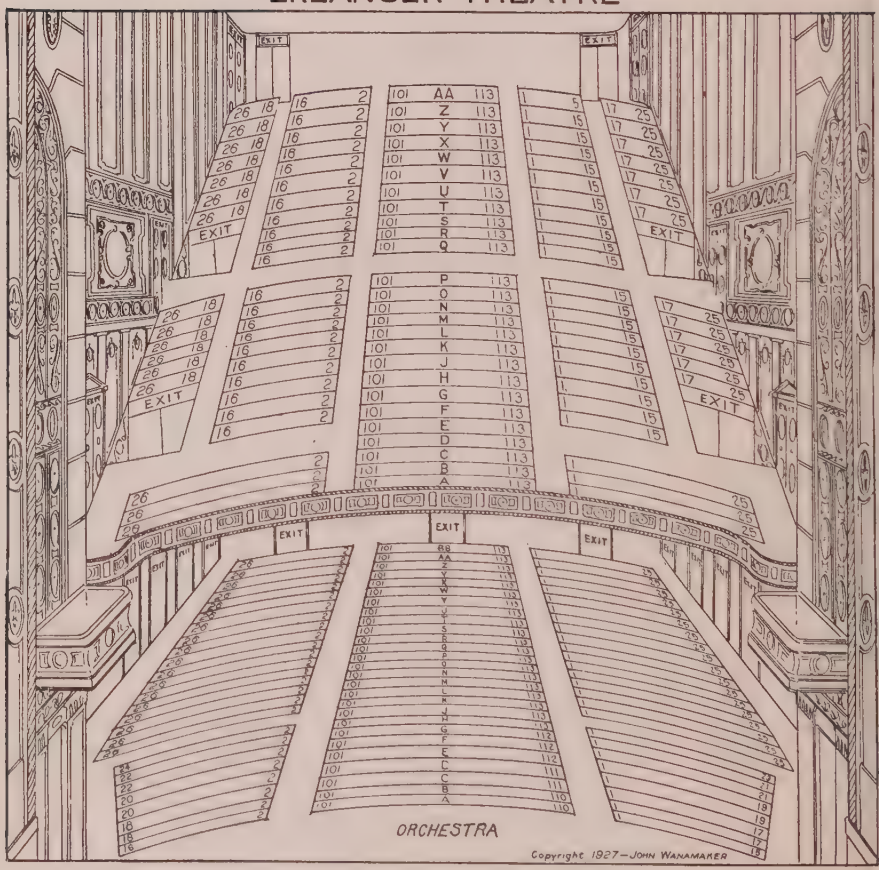

EXIT
EXIT
EXIT

EGYPTIAN HALL

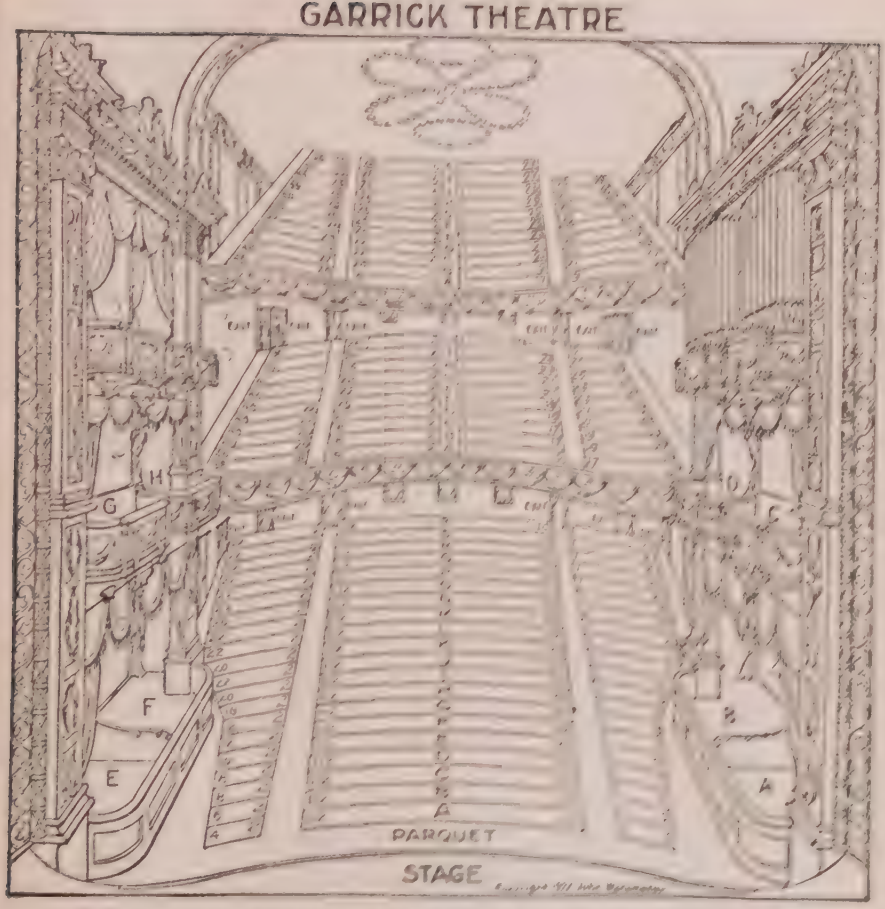


JOHN WANAMAKER PHILADELPHIA

ERLANGER THEATRE

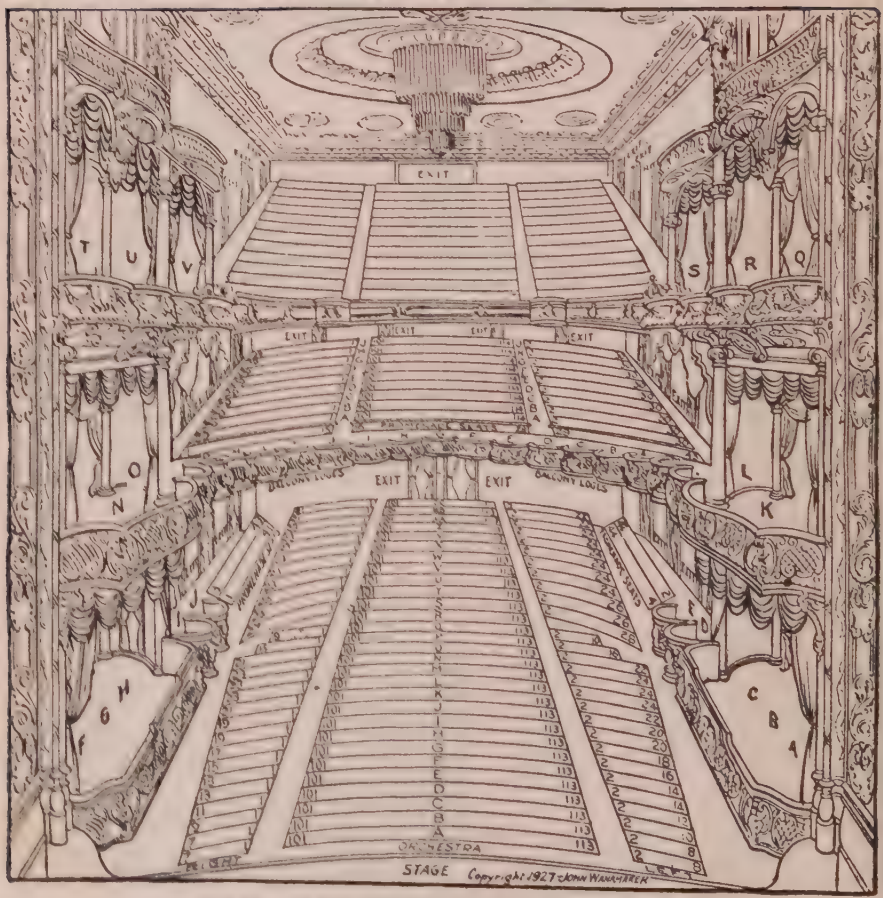


21ST AND MARKET ST.

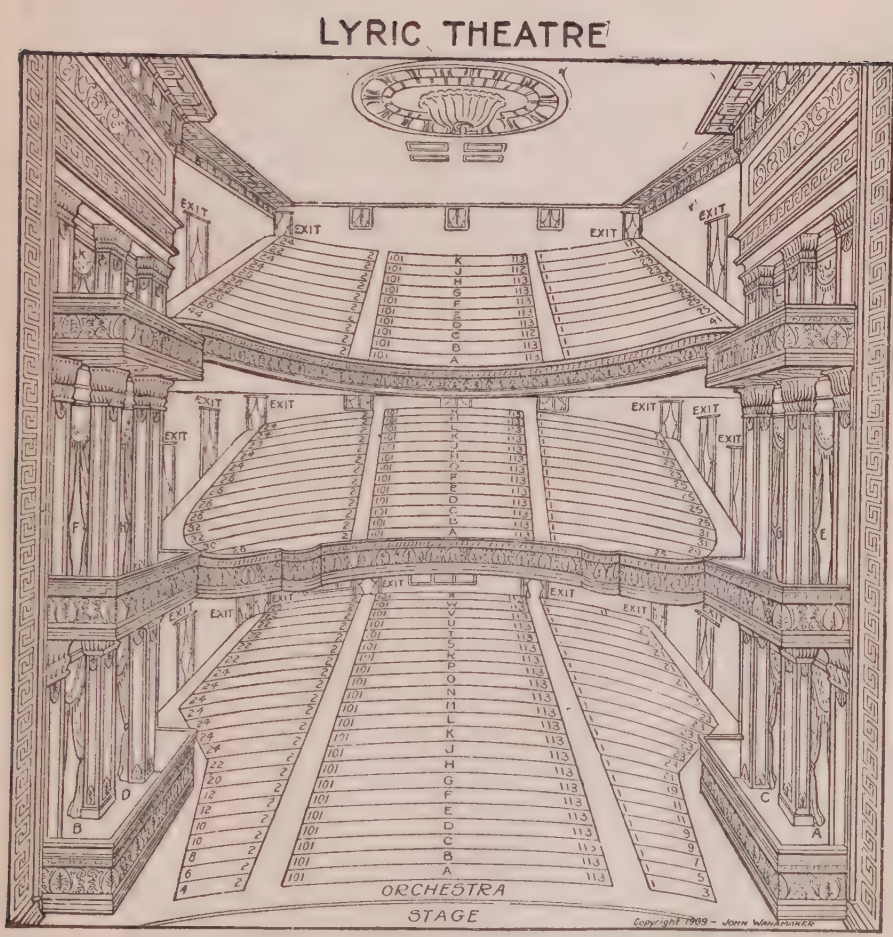


CHESTNUT STREET, BELOW BROAD

KEITH'S THEATRE

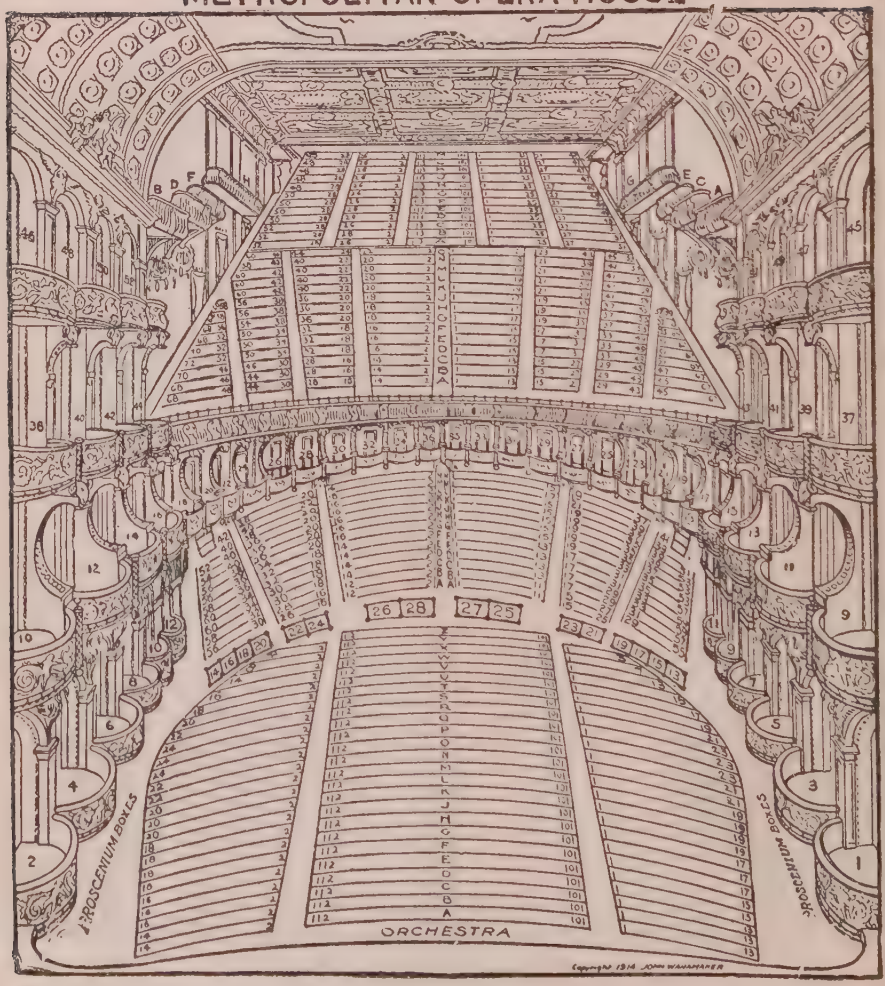


CHESTNUT STREET, ABOVE ELEVENTH



BROAD AND CHERRY STREETS

METROPOLITAN OPERA HOUSE



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Ribbon Garters
Boudoir Caps
Handkerchief Sets
Dance Sets

SIMONETTES

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159 MADISON AVE.
NEW YORK

SOLD BY JOHN WANAMAKER

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PATENT LAMP SHADE CO.
1361 Frankford Ave., Philadelphia, Pa.

Manufacturers of Parchment, Paper and
Chintz Cloth Shades for the Trade

CROXTON
WOOD & CO.
PHILADELPHIA

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Ladies Fine Shoes
On Sale At
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HARK & FOXMAN
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SPORT DRESSES

2119-21 ARCH STREET PHILADELPHIA, PA.

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Home Office and Factory:
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La Mode

Every Day

In the uniform departments of the Wanamaker Stores La Mode uniforms (for nurses and maids) are being selected by those wise people who seek style skillfully combined with flawless tailoring and fabric quality.

THE HAL CO.
Makers of La Mode Uniforms
47 East 19th St. New York

Louis Cohen

Manufacturer of

COATS
and
SUITS

1364-1370 Broadway
at 37th Street
New York

Martha Day
BATHING SUIT

Sold by Wanamaker's, Philadelphia, and all High Class Stores throughout the United States.

HERBERT KOHN, Inc.
275 W. 36th St. New York
931 Market St. Phila. Pa.

35 CENTS EACH OR THREE FOR $1

LEGION

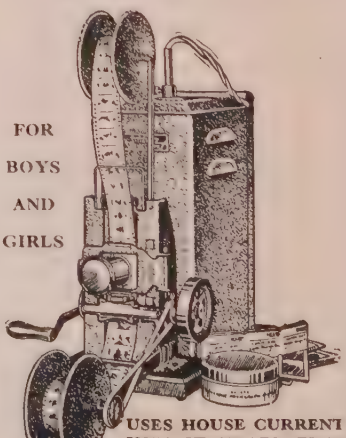
Front 2¼"
Back 1½"
Sizes: 13½ to 18
13¾ to 16¾

The flexible collar which holds its original size, shape and smart appearance no matter how often laundered.

Master Craft
HALLMARK
SEMI STIFF COLLARS
On Sale at
John Wanamaker Stores
New York and Philadelphia
Made by Troy's Master Craftsmen
HALL, HARTWELL & CO., INC.
TROY

KEYSTONE MOVIEGRAPH
WITH "TOM MIX" FILM

FOR
BOYS
AND
GIRLS



USES HOUSE CURRENT
USES STANDARD FILM
For Sale by
JOHN WANAMAKER Toy Department

Our trade mark — MOR-WEAR — is truly significant. We put the best of materials and workmanship into our undergarments — thus insuring more wear and absolute satisfaction.

M. C. SCHRANK CO.
Bridgeton, N. J.
New York Show Rooms: **9 EAST 32nd ST.**

Telephones Wis. 5850-5851

Fred. H. Samuels & Company

Makers of

De Luxe Brand

Ladies Knitted Sportswear

141-145 West 36th St. New York

R. Tahan Co.

38-42 East 32nd Street
NEW YORK, N. Y.

♠

Manufacturers of

Negligees & Kimonas

♠

We specialize in

Quilted Bathrobes and medium priced Negligees

"Smart Maid" Underwear Co.

Gymnasium Bloomers and Knickers

240 MARKET STREET
PHILADELPHIA

When You Think of

SMART FELT HATS

Think of

MARWIN HAT CO., Inc.

29-33 WEST 38th ST.
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"Every Possible Want in Aprons"

H. Kassoway

Manufacturer of
Nurses' Uniforms
Smocks, Dresses
and Kitchen Aprons

918 Snyder Avenue
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Bell Phone:
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Imported
Hand Embroidered and Smocked
Ladies' and Children's
Peasant Dresses

ART HAND EMBROIDERY, Inc.
IMPORTERS
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WM. G. DODGE SHOE CO.
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Manufacturers of
Ladies' High-Grade Hand-Made TURN FOOTWEAR

Seek out the shoes with the brass rivet in the shank bearing the inscription copyrighted maker's mark.

DTC

THE CORRECT DODGE FOR ALL OCCASIONS WITH "STA-UP" SHANK

RADIUNETTE
REGISTERED

Slips of
RADIUNETTE material
Are Washable
They give excellent satisfaction to the wearer.

PROVIDENCE MILL CO.
PATERSON, N. J.
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Lighting Specialties

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Manufacturer of the
"PRINCESS"

COSTUME SLIPS
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70 and 72 N. Fourth Street
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Model Mayde
EXCLUSIVE TAILORED

MODEL MAYDE
CAPS & HATS

for men, boys and children are widely used by discriminating buyers of cloth headwear all through the country. The styles, patterns and makes are always leading.

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PHILADELPHIA AND NEW YORK

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12th and Arch Streets
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"Makers of Youthful Stouts"

$6.75 . $10.75

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THE
C. B. Slater
SHOE
BEARS THE FULL NAME

Your
Assurance of Quality
FOR
MEN, WOMEN and
CHILDREN

C. B. SLATER COMPANY
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THE
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STERLING
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MAKERS OF
Sterling Silver and
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Silverware that you can recommend

Putnam-Morrill
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"We're Awake to the Sleepers' Wants"

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Goodnight

BRAND

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For Women and Children

Cotton, Silk and Flannelette

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Manufacturers of

Coats and Suits

820 ARCH STREET
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STAMPED LINENS *for* ART EMBROIDERY

and useful articles which should be in every home as

Laundry Bags, Shoe Pockets, Bedspreads, Bungalow Dresses and Aprons. Centerpieces, Scarfs, Pillows and Knitting Bags, and new Novelties.

37 East 12th Street, New York

(*On sale at Wanamaker's Stores.*)

HUBRITE

Informal Frocks

"delight the eye and fit the human figure"

As advertised in VOGUE and GOOD HOUSEKEEPING

On sale at

John Wanamaker
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and the better department stores throughout the country

Elastic Satisfaction is assured

TO THOSE WHO BUY

EVERLASTIK

"THE ELASTIC THAT DOUBLES THE WEAR"

at our Notion Counter

JOHN WANAMAKER
PHILADELPHIA

CASH'S

WOVEN NAMES

Put an end to—

LAUNDRY LOSSES

and ruinous ink blotches. Woven into fine, cambric tape: guaranteed fast colors: navy, red, black, yellow, green or lavender.

Individual Names

12 dozen	**$3.00**
9 dozen	**2.50**
6 dozen	**2.00**
3 dozen	**1.50**

are indispensable for the boarding school boy or girl's wardrobe.

Write for samples and booklet

J. & J. CASH, INC.
Chestnut Street
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Columbia

The Pioneer Bicycle of America

51 Years of Leadership

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JOHN WANAMAKER

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WESTFIELD MFG. CO.

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The Largest Manufacturers of Quality Wheel Goods in the World.

1847 EDDY 1928

REFRIGERATORS

81st Year

"THE FATHER OF THEM ALL"

Sold by

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NEW YORK PHILADELPHIA

Manufactured by

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BOSTON, MASS.

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GBN

Embroider your household and decorative linen, also wearing apparel with

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Easy to embroider and guaranteed not to shrink or break when laundered.

Himmel & Isaacs, Inc.

Manufacturers of

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Wholesale Distributors

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RADIO WHOLESALE TRILLING & MONTAGUE DISTRIBUTORS MERCHANDISERS

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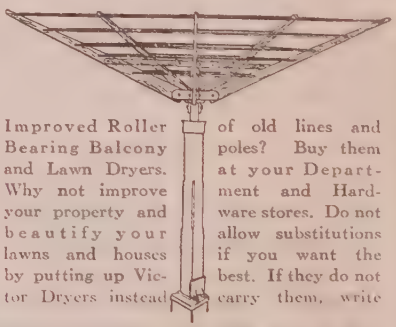

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